REPORT

ON

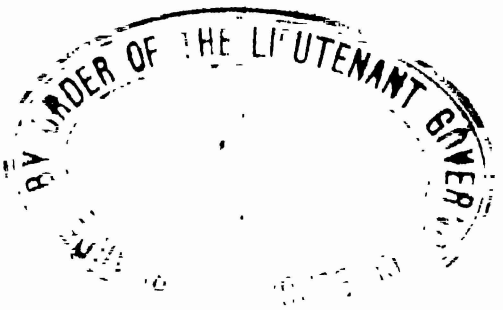
THE FOREST ADMINISTRATION

OF

LOWER BURMA

FOR

THE YEAR 1886-87.



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RESOLUTION

ON THE

FOREST ADMINISTRATION REPORT

OF

LOWER BURMA

For the year 1886-87.

Extract from the Proceedings of the Chief Commissioner, Burma, in the Forest Department,—No. 2M., dated the 7th September 1887.

READ—

Reports of Conservators on the administration of the forests in the Tenasserim and Pegu circles for the year 1886-87.

RESOLUTION.—The Conservators' reports were submitted with commendable punctuality. The bulk of each of the reports has been reduced.

GENERAL RESULTS.

2. An addition of 317 square miles was made to the area of reserved forests as against 530 square miles in 1885-86. Fire-protection was successfully attempted over 179,111 acres as compared with 152,328 acres in the previous year. Teak planting in taungyas was practised in 1,508 acres, the total area of taungya teak plantations at the close of the year being 10,651 acres. Some minor experiments were made in planting cutch in taungyas. Experimental cultivation of exotics was carried on with a very limited measure of success in both circles. The number of teak trees girdled was 17,474, almost exactly the same as in the previous year. No trees of other kinds were girdled during the year. The quantity of teak extracted was 45,067 tons as compared with 35,443 tons in the year 1885-86. The gross revenue of the year was Rs. 21,06,741 as compared with Rs. 19,73,859 in the previous year, the gross expenditure was Rs. 10,78,018 as compared with Rs. 11,50,953; the net revenue was therefore Rs. 10,28,723 as compared with Rs. 8,22,906 in 1885-86. These figures include the revenue and expenditure connected with forests in Upper Burma, which were included in the Pegu circle accounts. These amounted to Rs. 1,08,074 and Rs. 2,188 respectively.

RESERVATION OF FORESTS.

3. Only one new reserve was sanctioned during the year. This was the Yechaung reserve of 317 square miles in the Tenasserim circle. Preliminary steps were taken for the

Reservation of forests.

reservation of considerable areas in the Mergui district which have since been sanctioned, and in the Amherst district, proposals concerning which are still under consideration. In the Pegu circle no new reserves were sanctioned. The time of District Officers was so fully occupied with other duties that it was difficult to provide officers for forest settlement work. At the close of the year under review the area of reserved forests in the Pegu circle was 3,295 square miles and in the Tenasserim circle 1,493 square miles. These areas include 410 and 12 square miles respectively, in which, subject to necessary restrictions, Karens are permitted to practise *taungya* cultivation.

Forest surveys.

4. In the Tenasserim circle some preliminary surveys of no special importance were undertaken. In the Pegu circle Mr. Hörst's topographical survey party started work in two detachments, of which one was to work in the Pegu district and the other in the Prome district. Owing to the disturbed state of the Prome district the detachment which was to have undertaken detail survey in that district was broken up and the work was abandoned in December 1886. The Pegu party was hampered by the sickness of some members of the superior staff. The result was that the whole work of the year consisted of 45½ square miles of topographical survey on the 4-inch scale and 295 square miles of triangulation, and 191 square miles of traversing. It has been decided that the survey party shall be kept in Lower Burma for at least another season, and it is hoped that the results of the current year will be more satisfactory. The deputation to Burma of a party from the Forest Survey branch is much to be desired. The Chief Commissioner observes that the Conservator of the Pegu circle has printed Mr. Hörst's report in full. His attention is invited to the standing orders which prohibit the inclusion of lengthy reports or extracts in the body of an official report.

Working Plans.

Working plans.

5. The working plans of the Kôn-Bilin, Kadin-Bilin, and Môkka reserves were re-drafted, after consideration by the Inspector-General of Forests, and were sanctioned by the Chief Commissioner soon after the close of the year under review. The plans have been drawn up with much care and sanctioned after full and protracted discussion. In the Kôn-Bilin reserve it is proposed that for the first 30 years of the period of the working plan 1,250 trees should be girdled every five years. The net annual yield is estimated at Rs. 6,700. In the Kadin-Bilin reserve 1,000 trees will be girdled annually for 30 years, and the estimated net revenue is stated at Rs. 20,000. The Môkka reserve will, it is anticipated, provide 350 trees each year for girdling, and will yield an annual profit of Rs. 6,000. On account of the unsettled state of the country fieldwork in the hills could not be undertaken, and the preparation of materials for fresh working plans was consequently suspended.

Offences against Forest Rules.

Forest offences.

6. Besides three petty cases of trespass in reserves, there were in the Tenasserim circle 235 cases in which prosecutions for breaches of forest rules were instituted. Convictions were obtained in 222 cases. Besides these 105 were compounded by Divisional

Officers. In 1885-86 the number of prosecutions was only 113. In the Pegu circle convictions were obtained in 115 out of 135 cases. More than half the cases taken into Court were concerned with the illegal felling of cutch trees or manufacture of cutch. There were two cases of trespass in reserves, of no special importance. Forest Officers compounded 207 offences. The high percentage of convictions is satisfactory as an indication that frivolous and vexatious cases are not sent up by Forest subordinates.

Protection of Reserves.

Forest fires and fire-protection.

7. In the Tenassorim circle the measures taken for the protection of reserves from fire were almost completely successful, only 2 acres out of 77,768 acres under protection having been burnt. In the Pegu circle, where some of the principal reserves lie in the midst of that part of the country which was the scene of disturbance during the year, fire-protection was more successful than in the previous year. Of a total area of 116,233 acres under protection 101,345 were saved, the cost being Rs. 10,825 as compared with Rs. 9,654 in the previous year. As in 1885-86, the principal damage was caused in the Prome and Tharrawaddy divisions. Some of the fires which occurred were caused by dacoits. It is satisfactory to note that in many cases the neighbouring villages rendered cordial assistance both in preventing the occurrence of fires and in extinguishing fires which had broken out in reserves. The plan of enlisting the services of the people in the neighbourhood, on which stress was laid in the Chief Commissioner's Resolution of last year, is clearly of much value. The Conservators will, no doubt, see that it is not suffered to fall into disuse. The good work done by the Ranger of the Magayi reserve is deserving of commendation.

Re-production and Improvement of Forest Growth.

Re-production and improvement of forest growth.

8. Except a small area of 23 acres, there are no regular plantations in the Tenasserim circle. In the Pegu circle 31 acres were added to the teak plantation in the Magayi reserve and 51 acres to those in the Kyetpyugan reserve. In both of these plantations satisfactory results are being attained. More rapid progress than in former years was made in the Tenasserim circle in respect of the planting of teak in *taungyas*. The area planted was 743 acres, of which 453 were well stocked. The partial failure in this part of the year's work occurred in the West Salween division. In the Pegu circle, where the *taungya* planting operations are chiefly carried on in the Tharrawaddy division, success was less conspicuous than in former years. The total area successfully planted was 789 acres as compared with 1,705 acres in the previous year. The partial want of success was due to causes for the most part beyond the control of Forest Officers.

Girdling Operations.

Girdling.

9. The number of teak trees girdled in the Tenasserim circle was 1,026, of which 470 were in reserved and 556 in unreserved forests. In the previous year 1,930 trees were girdled in reserves and 368 trees outside reserves. In the Pegu circle 740 teak trees were girdled inside and 15,708 outside reserves. No trees of other kinds were girdled during the year.

Timber worked out of the Forests.

Extraction of timber.

10. The following statement shows the quantity of timber, both teak and other kinds, extracted from forests in British territory during the year :—

	Teak.	Other kinds.	Total.
	Tons.	Tons.	Tons.
By Government agency	43,133	3,286	46,369
By purchasers and under trade permits	392	48,656	49,048
Under free permits	198	529	727
By leaseholders of forests	1,344	330	1,674
Total ...	45,067	52,751	97,818
Total of 1885-86 ...	35,443	47,172	82,615
Increase in 1886-87 ...	9,624	5,579	15,203

There was an increase of 5,122 tons in the quantity of teak timber extracted in the Tenasserim circle as compared with the quantity extracted in the previous year. The quantity of timber of other kinds extracted by Government contractors continues to decrease; but there was a large increase in the quantity of timber of unreserved kinds extracted under trade permits. In the Pegu circle the quantity of teak extracted was 29,043 tons as compared with 24,530 tons in 1885-86. The quantity of other reserved timber removed was also much greater than in the previous year, but the quantity of unreserved timber was much less.

Revenue and Expenditure.

11. The gross forest revenue of the year was Rs. 21,06,740 as compared with Rs. 19,73,859 in the year 1885-86. There was thus an increase of Rs. 1,32,881. The details of the revenue of the past two years are shown below:

	1885-86.	1886-87.	Increase or decrease.
	Rs.	Rs.	Rs.
From timber and other produce removed from the forests by Government agency	16,03,781	15,93,131	- 10,650
From timber and other produce removed from the forests by consumers or purchasers. — Timber	1,19,856	1,24,753	+ 4,897
— Firewood and charcoal	829	1,000	+ 171
— Bamboos	3,685	3,219	- 466
— Grazing and fodder grass	253	156	- 97
— Other minor produce ...	70,350	1,22,539	+ 52,189
Confiscated, drift, and waif wood	1,15,431	1,12,654	- 2,777
Duty on foreign timber and other foreign produce...	25,106	1,24,519	+ 99,413
Miscellaneous	34,568	24,770	- 9,798
Total ...	19,73,859	21,06,741	+1,32,882

In the Tenasserim circle 7,828 pyinkado sleepers were converted at Tavoy, and a quantity of timber other than teak was exported for the Gun-carriage Department. The question of the continuance under departmental management of the sleeper operations at Tavoy is now under consideration. During the first half of the year there was a fall in the price of teak sold at the depot of the Tenasserim circle, the average price per log being Rs. 14-7-0 as compared with Rs. 15-12-0 in the previous year; but in the second half of the year the average rose to Rs. 17-12-0 per log. On salving operations a gross sum of Rs. 54,181 was realized. In the Pegu circle the conversion of pyinkado sleepers by departmental agency has been discontinued, but 16,263 sleepers were delivered during the year to complete existing contracts. The revenue from cutch licenses amounted to Rs. 1,11,480, principally realized in the Prome Forest Division, as compared with

Rs. 55,420 in the previous year. The sales of teak at the Rangoon depôt realized Rs. 10,71,082, giving an average of Rs. 42-2-0 per ton. In 1885-86 the sales realized Rs. 11,10,396, giving an average of Rs. 43-4-0 per ton.

12. The gross expenditure of the year amounted to Rs. 10,78,018 as compared with Rs. 11,50,953 in the previous year. In the Tenasserim circle there was an increase of Rs. 1,02,141, while in the Pegu circle, in consequence chiefly of the discontinuance of sleeper operations, there was a decrease of Rs. 1,75,076. The net surplus of the Tenasserim circle was Rs. 80,656; of the Pegu Circle, inclusive of Upper Burma, which was temporarily administered by the Pegu Conservator, the net surplus was Rs. 9,48,067. The total net revenue of the year amounted to Rs. 10,28,723 as compared with Rs. 8,22,906 in the preceding year. Of this surplus Rs. 1,05,886 is creditable to Upper Burma, where the charges were very small, while a considerable sum was paid in by lessees of forests under the Burmese Government.

Imports and Exports of Teak.

13. There was a partial revival of the import trade in teak into Moulmein, the quantity reported at the Kado revenue station being 140,948 tons as compared with 117,099 tons in the preceding year. The increase was entirely due to the arrival of large quantities of timber from Zimmè by the Salween river. The average market value of teak imported into Moulmein was Rs. 34 per ton as compared with Rs. 37-7-6 in the previous year. The imports from Upper Burma by the Irrawaddy and Sittang fell from 73,346 tons in 1885-86 to 43,600 tons in the year under review. The cause of the decrease must, no doubt, be sought in the disturbed state of Upper Burma, where active work in the forest was in many places impossible throughout the year. In the quantity of timber floated down the Irrawaddy there was a large increase.

14. The depression in the timber trade with Europe continued throughout the year. The following table shows the quantity and value of teak exported from Moulmein and Rangoon in the past two years:—

Year.	From Moulmein.		From Rangoon.		Total.		
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Average value per ton.
		Rs.		Rs.		Rs.	Rs.
1885-86 ...	105,240	83,09,160	63,368	53,72,330	168,608	1,36,81,490	81·1
1886-87 ...	96,600	62,34,972	46,734	34,66,561	143,334	97,01,533	67·7

15. The work of the Forest Department as of other branches of the administration was affected by the disturbed state of various parts of the province. In some cases active work in the forests was stopped or had to be carried on under adverse conditions. The Chief Commissioner has pleasure in acknowledging the efficient manner in which the Conservators, Colonel Seaton and Mr. Popert, administered their circles during the year under review, and in commending the work done by Divisional Officers and their subordinates.

By order of the Chief Commissioner,

H. THIRKELL WHITE,

Secretary.

REPORT

ON

FOREST ADMINISTRATION

IN

THE TENASSERIM CIRCLE

For the year 1886-87,

BY

Colonel W. J. SEATON, Conservator of Forests.

CHAPTER I.

AREA AND BOUNDARIES.

1.—Area.

DURING the year the Yechaung reserve, of 317 square miles, was sanctioned, whereby the total area of reserved forests was increased to 1,493 square miles.

Increases to area of reserved forests.

2. In February Mr. K. G. Burne, Deputy Commissioner, Mergui district, conducted the forest settlement inquiry in the case of the proposed Ngawunchaung reserve, South Tenasserim division, and in November Mr. H. Buckle, Deputy Commissioner, Amherst district, in his capacity of Forest Settlement Officer visited the vicinity of the proposed Martaban reserve, but limited himself to general inquiries and submitted a recommendation that the proposed reservation should be abandoned on the ground of the opposition of the villagers.

Forest settlement work.

2.—Boundaries.

3. The final demarcation of the Yechaung reserve, Attaran division, was commenced during the year by affixing eight boundary marks at various points on the hills forming the east and south-west boundaries and near the Ye river, where the presence of footpaths rendered the same urgently necessary. The work occupied Mr. Weston 29 days and involved an expenditure of Rs. 55-5-4 on the preparation and despatch to the forest of 500 boundary boards $2' \times 4'' \times 2''$, also Rs. 166 on elephant hire and Rs. 40-8-0 on cooly hire, making a total of Rs. 261-13-4.

Final demarcation of boundaries.

4. In the West Salween division 21 boundary boards were renewed along the east boundary of the Minnannwè and west boundary of the Mèwaing reserves, the original boards having been destroyed by dacoits during the previous year.

Renewal of boundary marks.

Three boundary marks were also renewed along the east boundary of the Mèwaing reserve.

CHAPTER II.

SURVEYS, WORKING PLANS, AND ANNUAL PLANS OF OPERATIONS.

Examination and preliminary survey of tracts suitable for reservation.

5. Sketch maps of the padauk tracts of the Upper Haungdaraw valley and of the Lower Salween teak tracts, examined during the previous year, were in course of preparation during the year.

A preliminary survey was made of the forests abounding in pyinma, pyinkado, and thitka at the sources of the Kyakat chaung and its tributary the Nônka-dôk chaung in the Shwegyin district, the former falling into the Dôndami river.

Two outlying teak tracts in the Salween district, namely, the Kyunbinsakun tract west of Papun and the Upper Yunzalin tract 9 miles north of Papun, were surveyed and maps of the same prepared to support proposals for reservation.

It was not found possible to complete the examination and survey of the outlying teak tracts in the Attaran valley.

CHAPTER III.

PROTECTION AND IMPROVEMENT.

General Remarks.

Forest Act and rules.

6. During the year a few alterations were made in the Forest Rules, and under clause (*a*) of section 35 of the Burma Forest Act kaunghmu was declared a reserved tree in the Tavoy district, with effect from the 1st October 1886. From the same date also the local Government sanctioned, in letter No. 476-25D., dated the 17th September 1886, a duty on kaunghmu of Rs. 6 per log of a minimum girth of 6 feet and Rs. 8 per log of a minimum girth of 7½ feet in the Tavoy district and Yelamaing township, and a duty of Rs. 8 per log of thingan of a minimum girth of 6 feet in the Yelamaing township.

The alterations in question provided in Notification No. 12 (Forests), dated the 15th April 1886, for the exemption from the provisions of section 46 of the Burma Forest Act of all unreserved timber extracted in accordance with clauses (*a*) to (*c*), Rule 8 of the Forest Rules, and within prescribed limits, and provided also under Notification No. 13 (Forests), dated the 15th April 1886, for the better working of Rules 31 and 41, and certain changes in License Forms Nos. VI and VII, to guard against the conversion of timber before payment of revenue in full. Also in Notification No. 50F., dated the 11th November 1886, the maximum term of imprisonment provided in Rule 40 for breaches of Rules 34, 35, and 36 was increased from one month to six months.

1.—Establishments.

Cost of establishment.

7. The scale of permanent establishments continued the same and Rs. 33,453-2-5 was expended on such establishments.

The expenditure on temporary establishment, including keep of elephants, amounted to Rs. 12,869-1-4.

2.—General Protection and Breaches of the Forest Law.

Breaches of forest rules within reserved forests.

8. Three cases of cattle-trespass and injury to young teak trees and one of unauthorized cutting of bamboo were reported during the year. The owners in two cases of trespass in the west Salween division were allowed to commute the same by payments of Rs. 7 and Re. 1 respectively.

The third case of trespass in the Winsaw reserve, East Salween division, was pending at the close of the year, and the case of cutting bamboos in the Kaleinaung reserve, South Tenasserim division, was commuted on payment of Rs. 4.

9. Prosecutions were instituted in 235 cases implicating 307 persons. Convictions were obtained in 222 cases and resulted in 295 persons being fined a total sum of Rs. 1,223 and 20 persons being sentenced to various terms of imprisonment not exceeding one month.

Prosecutions for breaches of forest rules in unreserved forests.

Of the above 235 cases 112 were tried by Mr. A. Weston, the Deputy Conservator in charge of the Kado division, in his capacity of Sub-Magistrate of the 3rd class, and were for the greater part breaches of Rules 17 and 34, which relate to timber on the Salween.

In connection with these 112 cases 56 teak logs and 28 canoes were confiscated, and two boats, two boat-hulls, 90 pyinkado posts, and four pyinma planks adjudicated to Government.

Compared with the number of cases dealt with during the previous year, there has been an increase of 108 per cent., which is mainly attributable to more careful scrutiny of timber at the Kado revenue station, resulting in a large increase of cases (Rule 17) of submitting incorrect reports of timber.

10. In all 105 cases were compounded by Divisional Officers under section 66 of the Forest Act for various sums amounting to a total of Rs. 3,250-11-0.

Cases compounded and amount awarded to informers.

Under Rule 44 of the Forest Rules a total of Rs. 100 was awarded to informers and subordinate officers of the department.

3.—Forest Fires.

11. The season was particularly favourable for fire-protective measures owing to occasional showers in March and April, and the early setting in of the monsoon. The area attempted to be protected exhibits an increase of 476 acres over the area previously attempted, consequent on a larger portion being definitely protected in the Bilakatgyi reserve, while a reduction has been made in the area protected of the adjacent Ônkangyi reserve to allow for the large patches of kaing grass, which it is necessary to burn for protective purposes. Out of a total area of 77,768 acres attempted to be protected failures occurred only over 2 acres (in the Tagèlaung reserve), protective measures being everywhere successful.

Result of fire-protective measures

12. The total expenditure incurred on the work was Rs. 3,501, or only 8·6 pies per acre, equivalent to a decrease in cost of 3·5 pies per acre as compared with the expenditure of the previous year.

Total expenditure.

The reduction in expenditure was effected chiefly in the West Mèpalè reserve of 40 square miles, East Salween division, the expenditure being Rs. 1,045 less than during the previous year, owing to the cooly and patrol establishment being entertained only from the 1st January to the 30th April.

4.—Grazing.

13. No revenue was realized as grazing dues and no grazing rights exist in any of the reserved forests. In the case, however, of the Metkanè reserve, East Salween division, a few elephants belonging to the adjacent villages are allowed, as a temporary concession, to be quartered in the reserve for grazing purposes during the hot season.

Grazing.

5.—Natural Reproduction.

14. No direct measures could be undertaken to stimulate natural reproduction in any of the reserves, the time of officers being fully occupied with other duties.

No measures undertaken.

6.—Artificial Reproduction.

15.—The area of taungya teak plantations was increased during the year by 743 acres, namely, in the—

Taungya teak plantations.

	Well stocked. Acres.	Indifferently stocked. Acres.
West Salween division	196	276
East Salween division	204	14
Attaran division	58	...
Total ...	458	290

The total area is 279 acres in excess of the area cultivated during the previous year, but the actual results of the planting were not successful over the larger portion of the areas cultivated in the West Salween division, countings showing less than 250 plants per acre over a total of 276 acres, while over the remainder the average obtained varied from 272 to 562 plants per acre.

The work was attended with better results in the East Salween and Attaran divisions, the average over the whole being as high as 546 plants per acre in the former and 507 to 585 in the latter,

Various causes contributed to the ill-success in the West Salween division.

In the case of the Mèwaing reserve the disturbed state of the country interfered with the early cutting of the taungyas, while in the Kahilu reserve, the yas being cut in tree forest, the burning was not very satisfactory, and as a consequence the rapid overgrowth interfered with the proper germination of the seed.

In the other reserves a large proportion of the teak seed was of doubtful quality, and the quantity collected did not in every instance admit of nurseries being formed.

In addition to this the early rains were extremely light and fitful throughout the Yunzalin valley, and a large proportion of the first seedlings succumbed to exposure to the sun.

Total area cultivated with teak up to date.

16. From Statement 52 appended it will be seen that the total area planted with teak up to date, inclusive of 23 acres of former regular plantations (not intended to be extended), amounts to 3,156 acres.

Expenditure on planting.

17. The total expenditure incurred on the area planted during the year, inclusive of taxes of cultivators, amounted to Rs. 2,865, equivalent to an average of Rs. 3-13-6 per acre over the whole.

7.—Cutting of Creepers, Weeding, &c.

Weeding

18. Weeding operations, combined with light clearing overhead in the older plantations, were carried on in the West Salween division over 837 acres of the years 1885, 1884, and 1883.

The work was performed by the Kamu cooly establishment at a total cost of Rs. 1,400 which, allowing for two clearings in the case of the 1885 plantations, is equivalent to Rs. 1-10-9 per acre.

In the Attaran division 54 acres of 1885 were twice weeded, and 35½ acres of 1884 once weeded by local Karen labour at a cost of Rs. 1-2-7 per acre.

Similar plantations, aggregating 101 acres, were also cleared in the East Salween division at a cost of Rs. 1-2-3 per acre.

Experiments with Exotics and other Trees.

Cultivation of *Para* India rubber (*Hevea Brazilienses*) at Mergui.

19. The number of large trees has been reduced by casualties from attacks of white-ants to 49, and of 7,750 seedlings raised during the year 6,000 were on hand at its close.

The mean height and girth of ten of the largest trees was ascertained at the close of the year to be 38 feet and 2 feet 7 inches respectively.

Cultivation of *Castilloa elastica* in the Mergui plantation.

20. During the year 197 seedlings were received from Ceylon and planted out, but their number was reduced to 86 by attacks of white-ants and deer.

The two older trees of 1879 and four trees of 1884 continued much the same.

Cultivation of Ceara (*Manihot glaziovii*).

21. There were 33 additional casualties during the year from attacks of white-ants, whereby the total number of trees has been reduced to 416.

Cultivation of *Ficus macrophylla* and *Ficus elastica*.

22. Propagation by cuttings resulted in the number of *Ficus macrophylla* plants being increased to 99.

A few young plants of *Ficus elastica* were received from Assam, but for the most part in such a condition that they all died when put out.

Cultivation of other species at Mergui.

23. There were no further casualties among the mahogany, kyetpaung, talaingsôk, and divi-divi-plants.

The paper mulberry trees (*Brousonnetia papyrifera*) have been reduced by 28 casualties, and of seedlings six were put out.

The number of plants of Manilla hemp (*Musa textilis*) was increased to 434, while of Akyaw (*Aquilaria agalochum*) there were at the close of the year 57 trees, and of the rain-tree 52 trees on hand.

Experimental cultivation undertaken with the provincial grant.

24. Upon the area assigned to experimental cultivation, the cost of which is met out of the provincial grant, the Liberian coffee trees have continued in a vigorous condition.

The entire crop of fruit was sold by auction and realized only Rs. 45. It was estimated to yield 144 viss of clean coffee saleable at the Mergui bazaar at Rs. 1-6-0 to Rs. 1-8-0 per viss, but it is not known what the expenses of picking and clearing amounted to.

During the year 1,180 seedlings were distributed to private individuals. Of the Arabian coffee trees, 175 of the larger ones died during the year and five plants and 1,158 seedlings were given away. This species, as reported last year, does not thrive.

There were 14 cocoa trees on hand at the close of the year. From 11 pods 222 seeds were obtained, but only 146 germinated.

The two vanilla plants continued to thrive, but did not flower.

The tea plants now number only 185, several having died.

During the year 113 cardamom plants were received from Mysore, but all succumbed to attacks of insects except four.

Two parcels of cardamom seed were also received from Mysore, but the contents of the first were in a bad condition and but few are expected to germinate; the remainder can only be sown when the rains have well set in.

Expenditure at the Mergui plantation.

25. The expenditure on the Forest Department area of the Mergui plantation was Rs. 1,113, and on the Civil department side Rs. 934-4-4.

Experimental cultivation of mahogany at Moulmein and Amherst.

26. Casualties from attacks of the borer continued among the mahogany trees at Amherst, reducing their number from 29 to 14.

In the Moulmein Forest office compound 14 young trees remain, only one having died during the year.

9.—Communications and Buildings.

Buildings repaired.

27. A sum of Rs. 115 was expended in the Attaran division in effecting certain necessary alterations in the Forest office building at Moulmein.

In the Kado division Rs. 275-6-0 were spent for the completion of the bungalow at Shwegun, and on the construction of three guard-houses for the river protective establishments at Mibôn and Mèsakè.

The forest bungalow at Kawkareik, East Salween division, was earthoiled at a cost of Rs. 58-14-0, and a sum of Rs. 5-3-0 expended on the repairs of the roof of the Mergui plantation bungalow in the South Tenasserim division.

Steam-launch *Attaran*.

28. During the year the launch *Attaran* performed 122 trips representing a mileage of 4,832 miles, or 1,141 hours under steam.

The working expenses were Rs. 1,486 for wages of crew, Rs. 1,162-2-0 on account of 47 tons of coal, Rs. 468-9-0 for oil and wood fuel, and Rs. 136-8-0 for repairs and surveyor's fees, making a total expenditure of Rs. 3,252-3-0.

Opening up streams for floating purposes.

29. Arrangements were made with ten thayetlay and kawdot logs to test the practicability of floating timber down the Mintha stream in the Mintha reserve without having recourse to blasting.

Before, however, the date fixed for launching the timber and construction of the boom two high floods took place, and the bank giving way six logs were washed away and appear to have passed safely over the rocks and thence out into the Taungbyauk river, as not one of them could be found.

Of the remaining four logs, when launched in August, two were too green to float, and the other two passed safely down to the mouth of the Mintha chaung from the Nanpayôk chaungwa in about four hours.

CHAPTER IV.

YIELD AND WORKING.

Departmental Operations.

Extraction of teak timber by Government agency.

30. The extraction of teak timber by Government contractors during the year was as follows :—

Division.	Logs and pieces.	Tons.
Attaran	1,629	511
East Salween ...	16,774	11,199
West Salween, now embracing forests of late Salween division.	6,188	2,969
Total ...	24,591	14,679

The outturn exhibits an increase of 9,165 logs, or 6,422 tons, over that of the previous year, the arrivals at depôt having been augmented by several thousand logs neaped during the previous year in the Thaungyin river.

The outturn would have been larger but for some 1,500 logs having been pushed down too late to pass the Kyaukket gorge.

Extraction of timber of other kinds.

31. The extraction of timber other than teak by Government contractors was as follows :—

Division.	Logs and pieces.	Tons.
Attaran	352	361
East Salween ...	480	382
West Salween ...	195	196
Total ...	977	939

This decrease of 472 tons, as compared with the previous year's outturn, was due to a falling off in the demand for both thitka and pyinma.

Conversion of timber.

32. In the Attaran division 5 tons of inferior teak timber were converted for the manufacture of demarcation boards, and 3 tons for minor repairs and alterations in the Moulmein forest office building.

In the South Tenasserim division 7,828 broad-gauge pyinkado sleepers were converted at Tavoy.

Shipping operations.

33. Shipments were made at Moulmein to the following extent on account of the Gun Carriage Department :—

		Tons.	C. ft.	In.	Pts.
Madras ...	Padauk ...	40	29	4	8
	Ingyn ...	50	1	8	...
	Pyinma ...	26	19	2	9
Bombay ...	Padauk ...	106	89	8	2

From Tavoy 7,828 broad-gauge pyinkado sleepers were shipped for Calcutta.

Sales and disposals at depôt.

34. Sales and disposals at depôt were effected during the year to the extent of 14,133·2 tons of teak and 769·5 tons of timber of other kinds, the details of which are noted in Statement 56.

Prices realized on teak showed a fall from Rs. 15-12-0 to Rs. 14-7-0 per log, and Rs. 10 to Rs. 8-8-0 per piece, in the first half of the year, and a subsequent rise to Rs. 17-12-0 per log and Rs. 9 per piece.

The price of crooks continued throughout at about Rs. 3.

Disposals in the forests.

35. At local sales one padauk log and six thingan boat-hulls were disposed of.

Collection of drift timber.

36. Salving operations, as shown below, resulted in the collection of a much larger quantity of drift timber than that of the previous year, owing chiefly to the arrival in the Salween of timber which had been neaped two years in the Mèlamaung stream in Siamese territory, on a great proportion of which the property marks had become very faint and indistinct:—

		Balance of 1885-86.	Collected during 1886-87.	Returned to claimants.	Sold and disposed of.	Balance at close of year.
Kado division, Moulmein.	Teak ...	1,072	8,418	1,949	8,300	5,136
	Sea drift ...	102	274	29	77	...
	Other wood ...	1	12	...	12	1
South Tenasserim division.	Teak ...	...	12	...	10	...
Tavoy and Mergui	Other wood ...	...	8	...	1	...

The revenue realized was Rs. 46,725 at public sales, and Rs. 7,456 as salvage dues, making a total of Rs. 54,181.

The expenditure incurred by the department on these operations, inclusive of quota of charges for all other expenditure, amounted to Rs. 29,182.

2.—Girdling.

Girdling work.

37. Girdling operations were conducted in teak localities during the year with the following results:—

	Reserved forests. Number of trees girdled.	Unreserved forests. Number of trees girdled.	Total.
East Salween division, Block I.	...	556	556
West Salween division, Block IV.	470	...	470
Total ...	470	556	1,026

In the East Salween division the working plan provided for the girdling of a maximum of 1,000 trees within the western portion of the Ôkraing reserve, but no additional trees being found suitable for girdling, the work having been extended into this part during 1884-85, it was carried on in some tracts contiguous to the west boundary, and as a result 556 I class trees were selected and girdled, of which 70 were examined subsequently by the Divisional Officer, whose report shows selection to have been satisfactory.

In the West Salween division the trees were selected within the Tagalaung reserve by Forest Ranger Shwe Ka, and the subsequent revision showed the work to have been satisfactorily executed.

One noticeable feature in this reserve is the large proportion of trees of the II and III classes in the teak belts to the north and west, whereby selection of I class trees for girdling was rendered comparatively easy.

Further details and particulars will be found noted in Appendix D.

3.—Removal of Timber by Purchasers.

Teak timber removed from the forests by lease-holders.

38. From leased forests 2,795 logs, pieces, and crooks, or 916 tons of teak timber, were extracted during the year under review as shown below:—

		Logs.	Pieces.
Mittigeik Kudugwè, Attaran division.	...	68	761
Megwa and Kyunchaung, Attaran division.	...	155	199
Pandaw, West Salween division.	...	133	1,479
Total ...	...	356	2,439

Timber other than teak removed from leased forests.

39. The lessee of the Mittigeik Kudugwè forests also removed 30 logs of pyinma measuring 26 tons, and 313 thitka logs of 313 tons, subject to an *ad valorem* duty of 10 per cent.

Timber from leased forests on which duty was collected at the revenue station.

40. Duty was collected at the revenue station on the following timber of lessees :—

	Full-size.	Under-size.	Stem-pieces.	Crooks.
Mittigeik Kudugwè ...	54	14	155	606
Megwa and Kyunchaung ...	112	43	199	...
Pandaw	8	619	99	2,260

Duty was also collected on 313 thitka and 20 pyinma logs, which passed the revenue station.

Timber removed from the forests under trade licenses.

41. The total quantity of timber of the reserved and unreserved kinds removed from the forests under trade licenses and reported for duty during the year was 1,451 tons of the former and 10,565 tons of the latter, particulars of all of which are noted in Form 54.

As was the case during the previous year the arrivals at the revenue station in all the divisions, except South Tenasserim division, continued to exhibit a considerable decrease in number and tonnage of logs, the result doubtless of the low prices prevailing for II class and inferior teak.

In the case of the South Tenasserim division the increase was solely due to a larger quantity of pyinkado being imported into Tavoy in connection with sleeper operations.

Minor forest produce.

42. No means exist of ascertaining accurately the various quantities of minor forest produce removed from the unreserved forests, duty being levied on the number of individuals collecting and manufacturing, not on the quantity extracted.

The amounts realized on collection of wood-oil and manufacture of charcoal will be found noted in Form 55 appended.

The disposal of the right to collect ôndôn (*Tetranthera laurifolia*) bark and cardamom in the South Tenasserim forests by auction in separate revenue circles was sanctioned under the Revenue Rules, but, as was anticipated, no sales could be effected. Notwithstanding this the export returns show 1,236 cwts. of ôndôn bark valued at Rs. 2,281 and 75,070lbs. cardamoms valued at Rs. 27,709 as exported from Tavoy, and 9,295lbs. cardamoms valued at Rs. 2,986 from Mergui.

Free grants.

43. Free grants of timber in accordance with the Forest Rules were made to the following extent :—

District.	Number of logs.																		
	Pyinma.	Thingan.	Anan.	Thitkado.	Kanso.	Thitka.	Karawé.	Teak.	Padauk branches.	Pyinkado.	Zimbyun.	Maneanga.	Kanawe.	Thabyu.	Myaukchow.	Thayet.	Kanyin.	Anambo.	Thayekè.
Amherst ...	244	3	10	...	...	...	...	21	50	86	5	5	5	5	5	6	3	5	6
Tavoy	10	11	15	5	12	2	7	...	...	...	...	...	...	...	..	...	...	..	...
Mergui	...	...	6	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Total .	254	14	31	5	12	2	7	21	50	86	5	5	5	5	5	6	3	5	6

4.—*Summary of Produce removed from the Forests.*

Total yield of the forest.

44. The total yield of the forests of the Tenasserim circle was as follows :—

	Teak.			Timber other than teak.		
	Logs and pieces.	Scantling and sleepers.	Total.	Logs and pieces.	Scantling and sleepers.	Total.
By Government agency ...	14,784	...	14,784	834	428	1,262
„ Lease-holders	1,355	...	1,355	330	...	330
„ Purchasers in the forest Under trade licenses ...	...	...	...	12,016	...	12,016
Under free licenses	...	...	...	371	...	371
Total ...	16,139	...	16,139	13,551	428	13,979

5.—*Import and Export of Forest Produce.*

The import trade during the year.

45. There was a considerable increase in the importation of foreign teak timber by the Salween during the year. This was due chiefly to the arrival of a large quantity of timber that had been neaped two years in the Mèlamaung stream in Zimmè (Foreign Thaungyin) territory.

Owing to the low prices generally prevailing in the Moulmein market, and growing scarcity of full-sized timber of good quality, the importations from all the other foreign forests exhibit a considerable falling off compared with the figures of the previous year, while in many instances the percentage of undersized timber continued heavy.

Foreign teak imported by the Salween and reported at the Kado revenue station.

46. During the year 154,190 teak logs and pieces, having a tonnage of 140,948 tons, were imported and reported at the Kado timber revenue station.

Details regarding the outturn of the several forests and proportion of "full-size" and "under-size" timber are noted in Appendix E.

Increase in importation.

47. Compared with the importation of the previous year the above-mentioned quantity exhibits an increase of 31,571 logs, or 28,791 tons, and a decrease of 7,491 pieces, equivalent to 4,942 tons, or a total increase of 24,080 logs and pieces, or 23,849 tons.

Comparison with the importation of previous years.

48. The importation of foreign teak by the Salween river for the past five years will be found noted in Appendix E, and the names of the principal importers and quantity of timber imported by each in statement Appendix H.

Foreign timber of other kinds imported by the Salween.

49. There were only 55 logs of timber other than teak imported, namely, 49 pyinma and six thitkado.

Transactions in foreign timber at the Kado revenue station.

50. As shown in Form 56 the year's transactions in foreign timber commenced with an opening balance of 60,089, or 61,082 tons, and closed with a balance of 74,250 logs, or 76,030 tons.

Registration of hammer-marks.

51. During the year under review 99 new hammer-marks were registered at the Rs. 100 rate of fee, 41 marks were transferred at the Rs. 10 rate, 53 time-expired marks were renewed at the Rs. 25 rate, and 293 renewed at Re. 1 each, making a total of 486 marks registered, renewed, and transferred at a cost of Rs. 11,928.

Total quantity of foreign timber imported into Moulmein from the Kado revenue station.

52. The quantity of foreign timber imported from Kado into Moulmein during the past two years and value of same was as follows:—

Year.	Logs.	Tons.	Value. Rs.
1886-87	141,874	128,827	48,86,980
1885-86	156,440	133,909	50,17,408
Decrease in 1886-87	14,566	5,082	6,30,428

The average market value throughout the year was Rs. 30-14-9 per log of foreign teak and Rs. 34 per ton, which shows a decrease of Rs. 1-2-5 per log, or Rs. 3-7-6 per ton.

Export trade of teak to Europe.

53. Consequent on the great stagnation in the ship-building trade in the United Kingdom, and the disinclination on the part of Railway companies to renew and extend their rolling-stock, no improvement has to be recorded in the export trade of teak to Europe during the past year, and as a consequence seldom have shippers been known to be so despondent.

From Appendix F it will be seen that exports to Europe from the port of Moulmein were only about 10,000 tons, the smallest on record during the last 35 years.

In Moulmein, in April 1886, the price of Europe full-size, mill-cut squares, 12″ × 12″ and upwards, 23 feet in length and upwards, averaging 26 feet in length and 40 cubic feet, ranged for cargo parcels at Rs. 80 to Rs. 90 per ton.

Throughout the year there was no improvement on these rates as prices on the Clyde were greatly depressed, one of the largest shipping firms in Burma accepting in several instances £9-10-0, and even £9 per ton for cargoes that were yet to arrive.

In the London market the depression was not so great, and timber of ordinary specifications realized £10 to £10-10-0 per ton.

During the year the Italian Admiralty contracted for three cargoes of teak and the German Admiralty also took two cargoes.

In France prices were not so depressed as in the United Kingdom.

At the close of the year the stocks in hand at Home were very heavy, probably not far short of 29,000 tons.

Export trade of teak timber to Indian markets.

54. Prices for teak squares of inferior quality for the Indian markets have been much the same as during the previous year, ranging from Rs. 30 to Rs. 40 and Rs. 45 per ton in the case of second class and medium quality, and to Rs. 45 to Rs. 55 per ton of first class.

For ordinary small converted timber prices were from Rs. 30 to Rs. 70 per ton, according to quality, assortment, and conversion, while for shingles, consequent on the demand for Upper Burma, prices rose from Rs. 10 to Rs. 15 per 1,000.

The Native firms continued to make large shipment of posts, scantlings, and boards, the bulk of which went to Bombay, where steady sales were maintained, although prices were not such as to induce any of the Europe firms to enter the business.

There was an increase in Calcutta shipments of about 7,000 tons, mainly owing to some railway contracts being executed at Moulmein.

Prices obtained at Bombay were from Rs. 90 to Rs. 105 per ton of first class squares and Rs. 70 to Rs. 80 per ton for timber of ordinary sizes, and at Calcutta they were fairly steady.

Shipments to Madras were much the same as in the previous year and were undertaken chiefly by Native firms, but with anything but encouraging results.

Export trade of other kinds of woods.

55. Shipments of tea-boxes to Calcutta have still further fallen off, but there were signs latterly of a revival in the demand, the boxes from Moulmein being considered superior in manufacture and seasoning to those made locally in Assam.

No further shipments have been made of thitka, as some small sales of this wood in London under the name of "Moulmein mahogany" realized only £6-10-0 per ton.

Export of timber from Moulmein.

56. Full details of the exports of timber from Moulmein will be found in Appendix F showing a total tonnage in the case of teak of 96,600 tons, valued at Rs. 62,34,972.

The shipments to Europe decreased by about 13,000 tons.

In Appendices J and J(1) will be found the ruling prices in the Home and Indian markets, freights per ton, and list of the principal exporters.

CHAPTER V.

Financial Results.

Revenue and expenditure.

57. The revenue and expenditure during the year under review were as follows:—

			Rs.
Revenue			5,01,812
Expenditure—			
	Rs		
A.—Conservancy and working ...	3,32,312	}	
B.—Establishment ...	88,344	}	4,20,656
Net revenue			80,656

Comparison with figures of budget estimate.

58. The revenue anticipated in the regular budget estimate was Rs. 4,89,000, and hence there was an increase in receipts of Rs. 12,312.

This increase is due to excess receipts under II, Timber, &c., removed by purchasers, and III, Drift and waif timber, less a decrease under the following heads:—

I. Timber extracted by Government agency.
IV. Duty on foreign timber.
V. Miscellaneous.

The decrease in question under I was chiefly due to the short arrival of a few hundred logs at depôt within the official year, and under IV to a smaller quantity of foreign timber being cleared for duty at Kado than was anticipated.

Expenditure.

59. The expenditure under A was in excess of the budget estimate by Rs. 3,236, and is accounted for by a total increase under I(*a*) and IV of Rs. 11,136, less a saving of Rs. 7,900 under II, III, VII, VIII, and IX.

The expenditure under B was less than the budget estimate by Rs. 7,580 consequent in savings of Rs. 9,364 under all heads, except BI(*a*) and BII(*b*), under which latter heads there was an increase of Rs. 1,784.

From this savings of Rs. 7,580 under B, if the increased expenditure under A, namely, Rs. 3,236, be deducted, it will be seen that the total expenditure exhibits a decrease of Rs. 4,344 as compared with the budget estimate.

Outstandings.

60. The outstandings in the contractors' and disbursers' ledgers amounted to Rs. 41,451 at the close of the year.

Of this sum Rs. 39,264 represents the amount advanced to contractors and covered by work done, the balance being made up by small amounts in the hands of disbursers.

CHAPTER VI.

General Remarks.

Changes in the controlling establishment.

61. Mr. G. H. Barnard, Assistant Conservator of Forests, was transferred to the Pegu circle on the 30th July, and Mr. M. H. Ferrars, Deputy Conservator, 1st grade, arrived from Port Blair on the 4th December and assumed charge of the Attaran division.

Mr. C. W. Palmer, Deputy Conservator, 3rd grade, made over charge of the South Tenasserim division to Mr. J. C. Murray, officiating Deputy Conservator, 4th grade, late in charge Shwegun subdivision, on the 4th September, and proceeded on six months' furlough to Europe from the 5th September 1886.

Subsequently Mr. Palmer was granted six months extension of leave.

Mr. T. A. Hauxwell was confirmed in the grade of Deputy Conservator, 4th grade, on the 22nd May 1886, and was absent on privilege leave from the 13th June to the 26th July 1886.

Mr. A. Weston was confirmed in the 4th grade of Deputy Conservator on the 26th March, and appointed Magistrate of the 2nd class in the Amherst and Moulmein Town districts, with effect from the 29th March 1887.

Health of superior officers.

62. With some few exceptions, the health of superior officers continued good throughout the year, although much sickness was prevalent in the dry season in the various districts.

Changes in divisional charges.

63. In accordance with the sanction of the local Government, in Assistant Secretary's letter No. 800-19B., dated the 27th September 1886, the Salween division was abolished from the 1st November and the entire area absorbed into the Kado, Attaran, and West Salween divisions, the boundaries of the latter division being extended up to those of the East Salween division, so as to embrace the Lower Salween teak localities on both banks of the Salween, and the Timber depôt, Moulmein, being brought within the Attaran charge.

Subordinate forest establishment.

64. Forest Ranger Maung Hèlè, 4th grade, of the Attaran division, was dismissed on the 20th May for gross neglect of duty and conniving at the sale of an elephant mortgaged to the department.

In his stead Thaw Tu was appointed on probation from the 10th July.

Maung Khet, Forest Guard, 1st grade, was dismissed from the 30th June for neglect of duty and accepting, without authority, a sum of money as revenue.

Health of subordinate forest establishment.

65. The health of the subordinate forest establishment was on the whole good throughout the year.

Shwe Hla, Forester, 3rd grade, East Salween division, died from an attack of dysentery while in the forests on the 26th October, and Forest Ranger Shwe Ka, West Salween division, was indisposed for short periods by attacks of fever.

Organization of forest ranges and beats.

66. No changes took place in the number and disposition of the ranges and beats other than those which were necessitated by the absorption of the Salween divisional area and the forest establishment pertaining to it into the Kado, Attaran, and West Salween divisions.

Elephant establishment.

67. A female elephant was purchased for Rs. 900 to complete the establishment of the East Salween division.

No casualties took place, and at the close of the year the total elephant establishment comprised two dragging elephants and a calf at the Timber depôt, Moulmein, two carriage elephants in each of the East Salween and Attaran divisions, and one carriage elephant in the West Salween division.

From Appendix A it will be seen that the average monthly cost of feed and keep amounted to Rs. 31-1-0 for each animal.

Purchase of elephants for other departments.

68. Three carriage elephants were purchased on account of the Topographical Forest Survey at a cost of Rs. 3,300.

Interchange of seeds, &c.

69. Applications were received from the Conservator of Forests, Central Provinces, for some rattan seeds and padauk seed (*Pterocarpus indicus*), but could not be complied with before the close of the year.

The following seeds, leaves, and wood specimens were despatched to the Chief Engineer, Public Works Department, for transmission to the School of Military Engineering at Chatham :—

(1) Specimens of wood attacked by dry-rot, white-ants, beetles, and of different boring beetles.

(2) Padauk, pyinkado, pyinma, thingan seeds, and specimen leaves.

At the request of the Conservator of Forests, Pegu Circle, three pieces of "kaunghmu" (*Shorea stellata*) 3 feet × 3 inches, and as broad as were procurable were forwarded for transmission to the Director, Royal Gardens, Kew.

Specimen leaves of the *Cananga odorata* and some roughly distilled extract from the flowers of the same were despatched to the Assistant Secretary to the Chief Commissioner to meet a requisition from Messrs. Meiffre, Neven and Co., Madras.

Tours of Conservator.

70. During the year the Ye reserve, Attaran division, the Kaleinaung reserve, South Tenasserim division, and the several Dôndami and Yunzalin valley reserves were inspected by the Conservator, the latter reserves both in the rains and dry season.

The forests at the sources of the Kyakat chaung in the Shwegyin district and the proposed Martaban reserve in the Kado division were also examined by the Conservator.

The several divisional offices of the Attaran, Kado, and South Tenasserim divisions were also inspected.

Services of officers and subordinates.

71. The work in the several divisions was satisfactorily performed throughout the year and reflect credit on the officers in charge.

The duties of the Conservator's office were also satisfactorily superintended by Mr. Johnson.

MOULMEIN:
The 13th June 1887.

W. J. SEATON, COLONEL,
Conservator of Forests, Tenasserim Circle.

REPORT

ON

FOREST ADMINISTRATION

IN

THE PEGU CIRCLE

For the year 1886-87,

BY

E. P. POPERT, Esq., Conservator of Forests.

CHAPTER I.

AREA AND BOUNDARIES.

1.—Area.

Area of reserves unaltered.

1. No addition has been made to the area of sanctioned, and no proposals for new reserves were submitted during the year.

Progress of forest settlement work.

2. The settlement of the proposed South Zamayi extension in the Rangoon division has been completed, but the proceedings were not received before the close of the official year.

The services of civil officers could not be made available for settlement work.

2.—Boundaries.

Renewal of and repairs to boundary marks, &c., in the different divisions.

3. In the Prome division the boundaries of the Nyaungbindet reserve were repaired and the posts re-numbered at a cost of Rs. 15. The earth mounds and posts round the Satsuwa and Tindaw reserves were renewed wherever necessary at a cost of Rs. 40-8-0.

In the Tharrawaddy division Rs. 55 were expended in clearing boundary lines of the Môkka and Bilin reserves, and in trifling repairs to posts and marks round the Bwet, Gwedaukkwin, Chaungzauk, and Thônzè reserves.

The 10-feet bridle-path round the Thabyu reserve in the Rangoon division was completed, as also the mounds and posts. The cost was Rs. 105-11-4. The length of line cleared was 19,835 running feet, and 33 mounds and posts were put up. Four hundred boundary boards were nailed up round the Karen areas in the Kabaung reserve, Toungoo division; the cost of this operation was Rs. 400. It is exceedingly high owing to the difficulty of obtaining and high wages paid to coolies, as well as the destruction of some boards, nails, &c., by dacoits, and to the murder by them of a contractor, who had received Rs. 80 on account of the work.

The Tôngan reserve in the Shwegyin division was demarcated with 242 boards and eight mounds with posts. The cost was Rs. 50-1-3, or Rs. 1-12-7 per mile, for an approximate length of boundary of 28 miles.

CHAPTER II.

1.—Surveys.

Report of survey operations.

4. The following report of the season's work has been placed at the Conservator's disposal by Mr. H. Hörst, Deputy Superintendent in charge:—

"The following programme received the approval of the Chief Commissioner, but owing to circumstances mentioned in this report it could not be carried out.

Programme.

(*a*) The triangulation and traverse survey will be carried on simultaneously, commencing from the 20th November, in the South Zamayi State reserves bordering on the Pegu river, about 40 miles north-west of Pegu.

(*b*) The detail survey will start operations about the 1st December in the Prome district and take up the Shwedaung hill tract stretching south of Prome. Of this about 60 square miles will be surveyed on the 2-inch scale and 22 square miles, completing the reserve named Inma-Tayôkmaw, on the 4-inch scale. The detached reserves of Danlè, Nyaungbindet, Pauktaw, Sinmiswè, and Tonyè, aggregating 46 square miles, will also be surveyed on the 4-inch scale, and some gaps left unsurveyed last season near Ngapau in the Paungdè township, aggregating 11 square miles, will be completed on the 2-inch scale.

(*c*) The above comprise 68 square miles on the 4-inch scale and 71 square miles on the 2-inch scale; but, in addition, about 60 square miles of country contiguous to and east of that cadastrally surveyed will be taken up on the 2-inch scale.

(*d*) By the time the foregoing tracts are done it is expected that sufficient ground will be triangulated and traversed in the South Zamayi State reserve bordering on the Pegu river to admit of the detail surveyors being moved down from Prome to take up the topography of those reserves on the 4-inch scale.

(*e*) Provided there are no serious interruptions, and considering the time which will be lost in moving the detail surveyors from Prome to Pegu, the area expected to be surveyed during the season will be about 250 square miles on the 4-inch scale and 130 square miles on the 2-inch scale.

"2. The party took the field in two detachments, namely, the traverse camp consisting of—

2 European assistants, | 8 Sub-surveyors,

which assembled at Pegu on the 21st November, and the detail survey camp consisting of—

2 European assistants, | 16 Sub-surveyors,

which proceeded to Paungdè in the Prome district on the 12th December.

"3. The sub-surveyors and menial establishment attached to the detail survey camp proceeded to their ground without loss of time, but hearing alarming rumours about dacoits being in their neighbourhood they returned to Paungdè immediately and refused to work unless each detached party was provided with a police guard and Government guaranteed suitable provision for their families in case of accidents. The men were reasoned with and endeavours made to persuade them to return to duty, but they persisted in their demands, and on the 25th December the khalassies (about 200) assembled in a body before the tents of the officer in charge and insisted on being sent back to India at Government expense and paid 15 days' wages to cover road expenses from Calcutta to Hazaribagh, where they were engaged. On their demands being refused they became turbulent and so menacing in their attitude that it was found necessary to call out the police guard attached to the headquarters camp and have them forcibly driven away.

"4. The local Government and the Surveyor-General were in the meantime communicated with, and the Chief Commissioner, who arrived at Rangoon on the 31st December, ordered the immediate cessation of operations in the Prome district and the transfer to other parties working in Burma of as many assistants and sub-surveyors with their squads as could be provided for. Accordingly Mr. Wyatt, the senior assistant, with four sub-surveyors (two of the latter being the best hands in the party) was sent to the Upper Burma party under Captain Hobday, three plane-table and two traverse sub-surveyors were transferred to the Akyab party, and one sub-surveyor was discharged. The number of khalassies transferred with the above was 107.

"5. About the middle of December both Mr. Torrens, who was in charge of the traverse camp, and Mr. Ewing on triangulation, fell ill and returned to Pegu from Zaungtu, which lies close to the southern boundary of South the Zamayi reserve. Mr. Torrens was ill when he took the field and had undergone a painful surgical operation for fistula, which formed again and had to be re-opened, so that, with the exception of 15 or 20 days, this assistant was unfit for active duty the whole of the field season and had eventually

to go away to India on medical certificate. Mr. Ewing, who had suffered more or less from fever during the recess at Rangoon, was prostrated soon after proceeding to Zaungtu with jungle fever and had to proceed on leave on medical certificate on the 1st January, being transferred subsequently to the Survey of India Offices.

"6. Mr. Wilson, the only remaining assistant, was then sent from Paungdè to relieve Mr. Ewing and hurry on with the triangulation, for which not one station had been selected. The first point he endeavoured to visit was the Great Trigonometrical Station of Keokpôndôn near Bawni, but was warned by the civil authorities not to go there as dacoits were in the neighbourhood. He then returned to Pegu and was met by Mr. Hörst on the 18th January. A week's unavoidable delay occurred at Pegu as the Native establishment and elephants had not arrived from Paungdè, and arrangements had to be made to forward supplies to Zaungtu, which is about 40 miles up the Pegu river.

"7. On the 23rd January Mr. Horst, accompanied by Mr. Wilson, arrived at Zaungtu and there found all the traverse sub-surveyors (with one exception) and their squads. Some had stopped work through sickness, others had run in for fear of meeting dacoits, and the whole were short of supplies.

"8. At this stage the party consisted of one efficient assistant and 14 sub-surveyors, of whom only five were trained traverse surveyors, the others being plane-tablers, who for want of advance work had to be employed in superintending line-cutting and clearing ahead of the observers. Several of these were soon laid up with fever; one detail subsurveyor (the best in the party), who had had very indifferent health, obtained three months' leave on medical certificate, another was sent away on departmental leave on account of failing health, and a third left his work in the jungle and ran away, for which he was dismissed.

"9. Every effort was now made to push on the triangulation, but hazy weather setting in during February put a stop to all observations. Mr Wilson also fell ill, but as soon as the haze cleared off he persevered with his work, although suffering from fever, and had nearly completed his observations when he became seriously ill towards the end of March and had to go to Pegu for medical advice. The triangulation was completed by Mr. Hörst on the 9th April and the computations brought up a fortnight later.

"10. Fearing that no detail work would be done for want of data, a few traverse plots were set up with zero as the origin of each, and three sub-surveyors started the plane-table survey on the 12th March, one on the 17th and two on the 19th idem. One was detached early in April, and at the end of the same month a European Assistant, who had recently been sent up from Calcutta, and a sub-surveyor, returning at the expiration of his leave, also contributed a little.

"11. The detail survey was scarcely started when fever broke out and prostrated nearly the whole party. The unhealthy season continued until the close of the field season. Work was still further retarded by wet weather in April, and on the 3rd May the regular rains were ushered in by a cyclone, after which it was not possible to work without frequent and long interruptions. Under these adverse circumstances only 45·5 square miles of topography on the 4-inch scale have been executed. Double that quantity might easily have been done otherwise in the same time. The advance work consists of 295 square miles of triangulation over difficult country and 191 square miles of traversing, of which 58 square miles are partially traversed.

"12. The party returned to Pegu on the 19th May. For upwards of six weeks previous to that date it was with the greatest difficulty the provision depôt was kept supplied as all the elephant attendants were suffering from fever and great tact was necessary to induce them to work.

"13. The outlay has necessarily been enormous in proportion to the area completed, but when advance work has not been prepared the previous season as it ought to be, and other causes contribute to retard progress, the outturn of final work must necessarily suffer. Under ordinary circumstances the area would have been in excess of former seasons, but the party was disorganized at the very commencement of the field season, cut down to half its original strength, deprived of nearly all the European assistants and the best sub-surveyors prostrated by sickness, and last, though not least, utterly demoralized. All expenses on account of steamer passages as well as the salaries of two assistants, 10 sub-surveyors, and the menial establishment for about two months, during which no work was done by any of them, are all necessarily charged to this party. The cost rate will be submitted in October, unless previously required; but since nearly the whole strength of the party was devoted to triangulation and traversing for four months, and very little more will be required next year, the actual cost of the advance work should be assigned to it instead of being spread over the detail survey as usual, and it can be absorbed in the ensuing season's topography.

"14. In conclusion it may be as well to state that just before the party took the field Mr. Gibson, a most valuable assistant, was withdrawn for the Mandalay town survey and the loss of his services was much felt, as he was always very hard-working and energetic, and contributed more than any other hand to the annual outturn.

"15. It is generally understood that this party will be transferred to Upper Burma at the close of the recess, but before orders are passed it would be advisable to consider what is to be done with the traversed area (about 340 square miles) prepared in advance in the Prome and Pegu districts, because even after one season it is difficult to find the traverse posts, especially those bordering the unreserved or cultivated tracts, as they are destroyed by woodcutters or mischievous persons, or by fire, and in the unfrequented parts by herds of wild elephants, who uproot them soon after they are laid down. Unless therefore the entire party is allowed to work another season at least in Lower Burma all the advance work, over which about Rs. 75,000 have been spent, will be entirely lost.

"16. The programme for 1887-88 should now be submitted for approval, but as it is not known where the operations of the party will lie it cannot be drawn out. In the event of the party being transferred to Upper Burma, it will have to be differently organized and the annual expenditure will be considerably reduced. Early orders are therefore solicited."

2.—Working Plans.

Elaboration of working plans.

5. The working plans for the Kôn-Bilin, Kadin-Bilin, and Môkka blocks have been re-drafted in accordance with orders of the Inspector-General and were being printed at the close of the year. It was considered unadvisable to attempt field work in the hills, consequently no data for fresh plans could be collected.

3.—Annual Plan of Operations.

Annual plans of operations fairly worked up to.

6. Divisional Officers have generally worked up to the proposed plans; the extraction of timber fell short in the Prome division and the area of plantations was less in the Tharrawaddy division than proposed.

CHAPTER III.

Protection and Improvement.

1.—Establishments.

Scale of permanent and temporary establishments.

7. No alteration was made in the scale of the permanent establishment of the circle, and its cost together with that of the temporary establishment, exclusive of keep of elephants, is exhibited in the following form:—

Division.	1885-86.		1886-87.			
	Cost of permanent establishment.	Cost of temporary establishment.	Sanctioned permanent establishment.	Sanctioned temporary establishment.	Actual cost of permanent establishment.	Actual cost of temporary establishment.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Prome	7,423	2,402	8,817	2,376	7,081	1,842
Tharrawaddy ...	14,323	6,902	16,638	5,244	13,777	2,348
Rangoon	9,119	3,703	10,950	3,960	10,668	2,878
Toungoo	7,410	2,630	9,778	1,980	7,404	1,293
Shwegyin	4,201	1,957	5,157	2,496	4,877	1,054
Western	4,782	2,346	5,172	2,016	4,979	1,926
Agency	26,777	11,577	27,210	8,520	26,341	5,368
Total ...	74,035	31,517	83,722	26,592	75,122	16,709

2.—General Protection and Breaches of Forest Law.

Prosecutions for breaches of rules.

8. In all 135 cases, involving 227 persons, were taken into Court and convictions obtained in 115 cases and 195 individuals were punished. The number of prosecutions is about the same as last year, while the percentage of convictions shows an improvement of over 5 per cent. Of these cases no less than 60 were for either boiling cutch without a license or felling under-sized cutch trees, and 14 for illicit extraction of cutch trees from reserves. The abnormally high rate ruling for cutch was no

doubt the cause, and in the Tharrawaddy division the infliction of fines was found to be of no avail and imprisonment had to be resorted to as a deterrent. The remainder of the cases were of the usual nature, felling wood without a license, &c.

Encroachment upon reserves.

9. Two cases of encroachment upon reserves occurred in the Prome division, one man made a small clearing in the Satsuwa reserve and five others cut taungyas in the Thayetmyo West Yoma reserve. They were punished and the taungya-cutters in the last reserve were only allowed to plant up the yas upon the condition of planting teak as well.

Offences compounded by Divisional Officers under section 66 of Act.

10. Under section 66 of the Act offences committed by 207 persons were compounded by Divisional Officers, and the subjoined statement gives particulars together with amount realized :—

Division.	Illicit working of cutch.		Unauthorized felling, &c., of teak and reserved trees.		Unauthorized felling, &c., of unreserved woods.		Other offences.		Total amount realized.
	Number of men.	Amount accepted.	Number of men.	Amount accepted.	Number of men.	Amount accepted.	Number of men.	Amount accepted.	
		Rs.		Rs.		Rs.		Rs.	Rs.
Prome	19	475	8	130	44	426	9	88	1,119
Tharrawaddy ...	51	861	8	387	8	50	...	...	798
Rangoon	...	...	...	...	5	35	...	...	35
Toungoo	...	...	6	97	33	200	16	247	544
Shwegyin	...	...	...	...	1	7	...	...	7
Western	...	...	...	...	4	241	...	...	241
Total ...	70	836	22	614	90	959	25	335	2,744

Awards to informers under Rule 44 amounted to Rs. 335.

3.—Forest Fires.

General result of fire-protective measures.

11. Compared with last year fire-protective operations have been more successful, although in the Tharrawaddy and Prome divisions considerable damage has been done by dacoits hiding in the reserves, who when followed promptly fired the forests, and by incendiaries.

Of a total area of 116,233 acres 101,345 acres were unburnt and the cost amounted to Rs. 10,825, or one anna six pies per acre attempted, or one anna nine pies per acre protected.

Prome division fire-protection.

12. The Prome plantation of 75 acres was burnt through. The fire was caused by the sparks from an adjoining taungya which was being burnt. Sufficient evidence could not be obtained to procure a conviction against the cutter of the taungya.

Two fires, spreading over about 1,600 acres, occurred in the Chaungzauk reserve evidently the work of dacoits, as a camping-ground lately deserted was discovered by the Ranger close to the place where the fires originated ; 164 acres of teak taungyas were burnt through. An attempt was made by promise of reward to induce the neighbouring villagers to keep fire out of the Tindaw reserve. It failed ; the reserve was burnt through. Rs. 11 were spent in clearing a small fire-path.

The cost of fire-protection including Tindaw amounted to Rs. 581, and of 8,690 acres 4,135 were protected, being at the rate of one anna one pie per acre attempted and two annas four pies per acre protected.

Tharrawaddy division fire-protection.

13. In the Tharrawaddy division the fire-traced area amounted to 45,488 acres ; of these 10,045 were traversed by fire. The total cost amounted to Rs. 6,373, or nearly two annas three pies per acre attempted and two annas eleven pies per acre successfully protected.

The following table shows the number of fires in the different reserves compared with the previous year:—

Reserve.	Area fire-traced in acres.		Number of fires.		Area in acres over which spread.			
					1885-86.	1886-87.		
	1885-86.	1886-87.	1885-86.	1886-87.	Total.	Total	of forest.	of plantations, sowings, &c.
Gwedaukkwin	2,000	2,000	6	5	1,097	2,000	1,602	398
Kyaukkyidaung	1,500	2,000	4	3	109	154	136	18
Nyanlè	5,840	5,840	3	3	900	3,740	3,180	560
Kangyi	4,896	4,896	6	3	4,896	37	21	16
Bawbin	814	814	2	1	500	2	1·5	·5
Gwedauksan	238	238	1	3	238	24	16	7·5
Môkka-Bilin	20,980	20,980	1	4	17,480	3,783	3,764·5	19
Môkka-Minhla	3,000	3,300	1	3	3,000	305	211	94
Bwet	2,886	2,886	5	...	187	...	...	...
Myodwin	40	40	1	...	1	...	...	...
Myaung Minhla ...	819	819	1	...	819	...	...	...
Thônzè Kôn-Bilin ...	2,180	2,180	2	...	9	...	...	...
Total ...	44,688	45,498	33	25	29,831	10,045	8,982	1,118

The whole of the Gwedaukkwin reserve was burnt and the fires are ascribed to the neighbouring villagers, some of whom had been prosecuted and punished for theft of cutch trees from the reserve.

The fires in the Kyaukkyidaung reserve started inside the reserve and are supposed to have been the acts of incendiaries.

The fires in the Nyanlè reserve commenced inside the fire-trace and were most probably started by two outlaws, who had been hiding inside the reserve and were driven out of it with the aid of men employed by the department.

The area burnt in the Kangyi reserve is inconsiderable. One fire is ascribed to dacoits, who were supposed to be living in the reserve at the time.

The largest fire in the Môkka-Bilin reserve, which spread over 3,290 acres, was also the work of dacoits, who shortly afterwards shot the Sawkè of one of the Karen villages located in the reserve. Another fire, extending over 480 acres, was caused by the carelessness of the fire-path coolies, who went away leaving their fires burning.

The principal fire in the Môkka-Minhla, which burnt over about 250 acres, came from outside the reserve; it occurred very early in the season when the leaves were still falling and before the rubbish on the traces would burn properly.

It is satisfactory that the Divisional Officer records that in nearly every instance most valuable aid was afforded in extinguishing fires by the neighbouring villagers, who of course were paid for their assistance.

Rangoon division fire-protection.

14. The area attempted to be protected amounted to 35,453 acres and the cost to Rs. 2,553, being one anna two pie per acre protected or attempted.

No fires occurred in the Zamayi or Magayi reserves. The successful protection of the last reserve is greatly owing to the energy and constant watchfulness displayed by the Ranger, Maung Thakado, who deserves credit for his work.

One hundred and eighty-eight acres of the Kyetpyugan plantation were burnt. The fire crossed the trace when a very high wind was blowing and, although every assistance was given by the villagers, it was some time before the fire could be beaten out.

Fire-protection in Toungoo division.

15. The fire-protection in this division has been very successful. A small part of the Pyunchaung reserve, about 100 acres, was burnt, but little damage has been done. The fire was the act of some malicious person, and about the same time the rest-house there was set fire to.

The total amount expended in fire-protection was Rs. 1,318, equivalent to ten pies per acre protected.

16. It is satisfactory to note that about 75 square miles or three-fourths of the Saing reserve escaped fire this season, in consequence of the villagers in the neighbourhood having been induced to be more careful when firing their taungyas, &c. No expense was incurred. Nearly the whole of the Thandaung reserve was also unburnt.

Part of Saing and Thandaung reserves unburnt.

4.—Grazing.

17. In all Rs. 156 were realized for grazing 433 cattle in reserves in the Tharrawaddy and Rangoon divisions. It is improbable for many years to come that the reserves will be called upon to supply fodder or grazing to any extent.

Grazing in reserves.

5 and 6.—Reproduction by Natural and Artificial means.

18. Thirty-one acres were planted up with teak in the Magayi reserve in the Rangoon division by Shans, and at the end of the year contained 991 plants per acre. The seedlings are reported healthy and thriving. The cost, inclusive of seed, amounted to Rs. 379-6-6, or Rs. 12-3-10 per acre. The plantations at Kyetpyugan in the same division received an addition of 51 acres and are also a success. They contained 935 seedlings per acre and the total outlay was Rs. 537-11-3, or Rs. 10-8-8 per acre. The cost in both instances is less than that of the previous year.

Regular plantations in the Rangoon division.

19. The area cleared for taungya teak plantations in the Chaungzauk reserve, Prome division, is estimated at 157 acres. Of this, however, 43 acres must be considered a failure having an average of only 85 plants to the acre. Of the remainder 18 acres were planted up with teak (9 feet by 4 feet), the growth of which is very good, and contained an average of 820 plants per acre. The expenditure incurred was Rs. 156, or Rs. 8-10-8 per acre.

Taungya plantations in the Prome division.

Ninety-six acres were planted up with teak and cutch (nine lines of teak to three of cutch with 9 feet between the lines and 4 feet between the seedlings). The outlay amounted to Rs. 452-9-0, or Rs. 4-10-1 per acre, and the countings showed an average of 558 seedlings per acre, a fairly successful result.

20. In the Tharrawaddy division in the different reserves 491 acres were cleared for taungya teak plantations. Twenty acres of this in the Kangyi reserve were fired by dacoits early in the season and abandoned by the cultivators. Sub-Assistant Conservator Maung Kalè endeavoured to plant up the area departmentally, but with doubtful success; the ground was encumbered with large trees and half-burnt jungle. He spent Rs. 122-8-0 in clearing the ground, or altogether Rs. 200-11-6. In Nyanlè reserve 73 acres were planted with teak at a cost of Rs. 864-0-9, or Rs. 11-13-5 per acre, with an average of 974 plants. Forty-six acres planted in the Bawbin reserve cost Rs. 579-14-9, or Rs. 12-9-0 per acre, and the countings showed 969 seedlings per acre.

Teak taungyas in the Tharrawaddy division.

In the Lower Payagyi reserve the cost of planting up 24 acres amounted to Rs. 246-11-0, or Rs. 10-4-5 per acre, and the number of seedlings per acre to 740.

Rs. 953-7-6, or Rs. 10-9-6 per acre, were expended in planting up 90 acres in the Minhla-Môkka reserve with a result of 948 seedlings per acre.

The area planted up in the Môkka-Bilin reserve is estimated at 181 acres, costing Rs. 2,377-12-9, or Rs. 13-2-2 per acre, and the countings showed an average of 1,051 young plants per acre.

The Karens in the Kôn-Bilin cleared 35 acres, received Rs. 421-2-9 (Rs. 12-0-6 per acre), and handed over 835 seedlings per acre. Those in the Thônzè reserve cultivated 22 acres at a cost of Rs. 357-10-0, or Rs. 16-4-1 per acre. The seedlings numbered 1,095 per acre.

21. The plantations generally this year in the Tharrawaddy division are, owing to the dacoits, not as good as usual; in many taungyas the seedlings are small owing to late planting, and weeding has been neglected; large unplant-

Remarks upon the Tharrawaddy taungyas of the year.

ed patches are to be found in several reserves. In some instances the taungyas were prematurely fired, or the teak seed was burnt, in others the taungyas after planting had to be abandoned. Extra care will be necessary and probably extra cost incurred next rains when clearing these plantations.

The area planted up has decreased from 1,159 acres to 471. This was expected as noted in last year's report, and a few years will probably lapse before the previous year's area is worked up to again. This falling off is not to be regretted, as it has allowed more time to be devoted to clearing the older plantations.

Teak taungyas in the Rangoon division.

22. In the Rangoon division the Karens of four villages in the Zamayi reserve cleared 118 acres; ten of these are reported failures as, owing to the disturbed state of the district, transport could not be obtained to convey the teak seed until too late in the season.

The cost incurred in providing seed and payment to the Karens amounted to Rs. 1,130-15-6, or Rs. 10-7-6 per acre, and the average number of teak seedlings to 642 per acre.

These results show a marked improvement upon last year's operations.

Toungoo division teak taungyas.

23. In the Toungoo division teak taungya plantations were confined to the Yènè and East Swa reserves. The Kabaung valley was deserted by the Karens owing to dacoits. The area planted up in the Yènè reserve amounted to 20 acres. The countings gave 702 plants per acre and the outlay was Rs. 188-8-0, or Rs. 9-6-9 per acre. Seventy-six acres were cultivated in the East Swa reserve at a cost of Rs. 546, or Rs. 7-3-0 per acre, and the average number of seedlings amounted to 572 per acre.

The growth in these taungya plantations is remarkably good and few blanks exist in the rows, although there are patches, which have been flooded, completely bare of seedlings.

Summary of teak taungyas for the year.

24. The total estimated area of new taungya plantations in the different divisions, excluding failures amounting to 67 acres, costing Rs. 373-13-6, is 789 acres, upon which an outlay of Rs. 8,234-9-0 was incurred, or an average cost per acre of Rs. 10-7-10, containing 835 seedlings. Ninety-six acres were planted with a mixture of teak and cutch, and the balance with pure teak.

The results, though not equalling those of last year, must be considered very satisfactory.

Cutch experimental plantation and teak-seed dibbling.

25. An experiment was made to grow cutch upon the poorer soil in the Pyunchaung reserve. About half an acre was cleared and the result is a complete success. The cost was Rs. 8 and the experiment will be continued.

In the Bôndaung reserve teak seed was dibbled in over about 10 acres where the bamboo had died. The cost was Rs. 32-12-0. Many seedlings have come up which, though healthy, are small.

7.—Cutting Creepers, Weeding, and Thinning.

Regular plantations cleared of overgrowth and soft woods

26. The regular plantations of 340 acres in the Bawbin reserve (Tharrawaddy division) were cleared of bamboos and soft woods, which threatened the existing teak, at a cost of Rs. 281.

In the Rangoon division 230 acres of the Magayi plantations were cleared of overgrowth at a cost of Rs. 187-0-11. The Kyetpyugan plantations, aggregating 745 acres, were cleared at a cost of Rs. 366-1-3.

Old taungya plantations cleared or weeded.

27. An examination of the older regular and taungya plantations in the Tharrawaddy, Prome, and Toungoo divisions by the Conservator clearly showed that nearly all of them required further clearing to get rid of the soft woods and in places of the bamboos which had overtopped the teak and threatened to suppress it altogether, and in all divisions during the year this most important work requiring careful supervision has received considerable attention and with very beneficial results; unfortunately dacoits and scarcity of labour prevented

the clearing of all in the Tharrawaddy division before the close of the official year. This operation will have to be repeated.

The following is a summary of the area cleared in the different divisions with cost (full details are given in Appendix N):—

Taungya Plantations.

Division.	Area in acres	Total cost.	Cost per acre.
		Rs. A. P.	Rs. A. P.
Prome	972	1,439 8 0	1 7 8
Tharrawaddy	2,990	6,079 9 9	2 0 6
Rangoon	234	232 2 8	0 15 11
Toungoo	305	192 0 0	0 10 1
Total ...	4,501	7,943 4 5	1 12 2

Teak sowings and dibblings cleared and weeded.

28. In the Tharrawaddy division, in Bwet and Nyanlè reserves, the teak sowings of 1881, 1882, and 1884 in places where the bamboo had died, amounting to 750 acres, were cleared at a cost of Rs. 1,183-8-0, and the similar small patches in the Yènè and Bôndaung reserves, Toungoo division, were weeded at a cost of Rs. 12-8-0.

Creepers cut in Magayi plantations and other improvement works.

29. Upon the plantations of 1872, 1878, and 1880 in the Magayi reserve, aggregating 332 acres, Rs. 109-3-10 were expended in cutting away creepers.

Good work was done by the Forester in charge of the Môkka reserve, Tharrawaddy division, in clearing away creepers and in girdling or felling trees which interfered with the growth of teak in compartment 14 of the Môkka block at the moderate outlay of Rs. 73-5-6. The work was inspected by the Divisional Officer. The value of this measure for the improvement of the forests has been very clearly demonstrated in the Kangyi reserve, Tharrawaddy division. During the years 1877-78 and 1878-79 over considerable areas large valueless trees, chiefly taukkyan, which overshadowed the teak, were girdled. These trees have since died, fallen, and decayed. Little damage occurred when they fell, and now in their place the teak has developed and forms the chief peuplement of the forest.

Prome plantation thinnings.

30. The balance of the thinnings of the previous year were disposed of for Rs. 795-8-0. As noted in paragraph 42 of last report the work cost Rs. 733-3-0, so that the whole operation has resulted in a profit of Rs. 73-6-0. This plantation benefits by and requires thinning, and it is satisfactory that there is every probability of the work being capable of execution at a pecuniary profit.

8.—*Experiments and Exotics.*

Mahogany.

31. There are 75 young plants in the Chaungzauk reserve, Prome division. They appear to thrive for three or four years and then are killed by insects. In the forest garden at Tharrawaddy, in addition to the 651 plants from previous years, 240 seedlings have been raised this year, 296 of the older plants were distributed to the Department of Public Works and others for planting along roads, &c. At Palôn the number of seedlings has been increased to 56.

Ficus elastica and other species.

No additions were made; attempts to grow from cuttings failed; the existing plants are flourishing.

Ceara.

There are 560 plants at Tharrawaddy and 105 at Magayi; at the latter place the wind blew down six and rats destroyed 38.

Vanilla. The plants at Kimpadi are healthy and strong, but attempts to obtain pods have again failed; they rot before ripening.

Morus multicaulis. The villagers near the Chaungzauk reserve, who have been rearing their silk-worms upon this mulberry, acknowledge now they obtain a larger yield of silk than from the ordinary mulberry, and next rainy season as many cuttings as can be obtained will be distributed to the villagers.

Thandaung plantation. 32. Nothing was done during the year to clear the cinchona, and only Rs. 6-9-0 were expended in weeding the tea and coffee.

Tharrawaddy forest garden. 33. In all Rs. 1,403-0-9 were expended upon this garden in planting, clearing paths, &c., and the following list shows the exotics now growing in it:—

Eucalyptus	8
Tristania conferta	6
Ficus elastica	10
Vanilla	10
Pithecolobium	205
Mahogany	355
Ceara	560
Divi-divi	860

9.—Communications and Buildings.

Police patrol paths. 34. For the purpose of police patrol straight paths 10 feet wide have been cut and cleared through the Thindawyo, Satpôk, Sitkwin, and Chaungzauk fuel reserves in the Tharrawaddy division at a cost of Rs. 3,402-1-0.

Depôt roads. An outlay of Rs. 346-15-6 was incurred in repairing the roads in the depôt and renewing bridges.

Weirs, &c. The weir to protect the bridge over the Magayi stream was repaired at a cost of Rs. 29-1-8, and a groin was thrown out in the Pyun chaung to divert the stream from the plantations at a cost of Rs. 28-8-0.

(b) Buildings.

Myitkyo bungalow re-built. 35. A new bungalow has been built at Myitkyo to replace the one burnt by dacoits at a cost of Rs. 2,997.

Rest-houses destroyed by dacoits. 36. In the Tharrawaddy division ten rest-houses have been burnt down and it was not thought advisable to replace them as the district had not completely settled down again. The bungalow at Kanyinmyaung, Shwegyin division, was also burnt to the ground on the 29th March by dacoits.

Repairs to bungalows and rest-houses. 37. In the different divisions repairs to the bungalows and rest-houses were executed at a total cost of Rs. 1,853-1-2.

The guard-houses at the Government timber depôt, Rangoon, were re-built at a cost of Rs. 1,060-8-1, and in executing repairs to the other buildings at the depôts at Alôn, Pazundaung, and Botataung Rs. 936-8-0 were expended.

CHAPTER IV.

YIELD AND WORKING.

1.—Departmental Operations.

Departmental extraction of teak. 38. During the year under review 36,382 teak logs and pieces were worked out by departmental agency, and the following table exhibits outturn according to divisions with the average amount paid for extraction:—

Division.	Number of logs extracted during the year.	Disposed of locally.	Sent to Rangoon.	Arrived at Rangoon.	Average rate paid to contractor for delivery per log.	Average cubical contents per log.
					Rs. A. P.	C. ft.
Prome	2,614	311	2,288	2,288	9 8 9	42
Tharrawaddy	13,725	6	14,121	13,719	8 5 9	45
Rangoon	5,702	772	5,094	5,128	11 6 2	45
Toungoo	5,178	188	5,040	7,291	19 9 2	55
Shwegyin	964	964	...	...	8 8 1	35
Western	256	256	...	...	6 0 0	25
	28,439	2,447	26,543	28,421	10 10 8	...
Refuse and short pieces.						
Prome	88	88	...	...	1 4 0	...
Tharrawaddy	7,905	14,236*	402	402	2 4 8	...
Total ...	36,382	16,721	26,945	28,823	.....	...

No timber was worked out from the Kabaung forests during the year as the contractor had six elephants stolen at one time by dacoits.

Extraction of other woods than teak.

39. Eighty logs (63 tons) thitka were extracted from the Rangoon division and paid for at the rate of Rs. 10 per ton, one log kanyin was sold locally at Tharrawaddy, 15 logs pyinma were brought out from the Toungoo forests, and 141 logs (211 tons) kanyin were received from the Shwegyin division. Payment was made to the contractors at the rate of Rs. 8 to Rs. 10 per ton.

From the Western division forests, principally to meet the demands of the Bassein Jail and for sleeper conversion, the following timber was extracted:—

Pyinkado ...	2,297 logs	75,121 cubic feet	Rate Rs. 12 per ton.
Kashit ...	285 logs	10,090 cubic feet	Rate Rs. 10 per ton.
Kanyin ...	210 logs	6,148 cubic feet	
Thitto ...	146 logs	5,269 cubic feet	
Thabyè ...	40 logs	1,053 cubic feet	
In ...	81 logs	2,842 cubic feet	

Pyinkado sleeper operations.

40. No new contracts were undertaken during the year, and the supply to the State and other railways has been left to private enterprise. The contract entered into with the Northern Bengal State Railway in the previous year was completed from the Western division, which supplied 16,263 narrow-gauge sleepers. The financial result of this transaction is as follows:—

	Rs.		Rs.
Revenue during 1885-86	64,800	Expenditure	48,800
Revenue during 1886-87	26,328	Expenditure	18,781
Total	91,128	Total	67,581

or a surplus of Rs. 23,547. Against this there is, however, outstanding against contractors the sum Rs. 7,775, the recovery of the greater part of which is doubtful.

Advances due by contractors.

41. The balance outstanding from last year has been reduced by Rs. 12,655 to Rs. 41,650-9-4, mainly due by contractors of the Tharrawaddy (Rs. 23,137-4-9), Prome (Rs. 8,693-2-0), and Western (Rs. 8,473-2-7) divisions. Considerable sums had to be advanced to contractors in the Prome and Tharrawaddy divisions to replace elephants, which had died, to enable them to carry on their work, and the outstandings are covered either by work done or mortgages held upon these elephants. In the Tharrawaddy division this amount also includes Rs. 5,000 advanced to a Burman to construct a saw-mill at Ôkpo. This sum will be recovered during next official year.

* Includes balance from last year's extraction.

Of the balance due by the Western divisional contractors, although proceedings will be instituted to recover the money, it is doubtful whether the department will recoup itself, and probably a large portion of this will have to be written off. The men are entitled to some consideration, as during the two years their work has been sadly interrupted by dacoits and many of their elephants have died.

2.—Removal of Produce by Purchasers.

(*a*). *Timber.*

Extraction from reserves.

42. From reserves in the Prome and Tharrawaddy divisions 1,628 cutch trees and 30 cutch logs were sold for Rs. 3,572-8-0, and Rs. 8,210 were realized from the Rangoon reserves for extraction of 4,085 logs pyinkado, thayet, &c.

Reserved woods extracted from unreserved forests

43. The quantity of reserved woods worked out under licenses may be gathered from the following:—

Division.	Teak.	Kanyin.	Pyinma.	Thingan.	Thitkado.	Thitka.	Kashit.	Revenue received.
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Rs. A. P.
Prome	189	...	...	...	...	...	...	2,111 0 0
Tharrawaddy ...	25	1	1	...	...	...	...	338 2 9
Rangoon ...	4	4	5	2	...	90	...	1,035 0 9
Toungoo	44	1,000	2	4	...	...	...	4,508 0 0
Shwegyin ...	103	2,377	25	4	111	...	...	16,802 7 1
Western	27	10	13	...	...	...	4	583 10 8
Total ...	392	3,392	46	10	111	90	4	25,378 4 10

Unreserved woods extracted.

44. The number of logs of the unreserved kinds extracted under licenses is exhibited in the subjoined table :—

Division.	Dugyis, hlwazas.	Yatthits.	Posts.	Poles.	Revenue.
	Logs.				Rs. A. P.
Prome	4,060	5,550	11,088	18,080	11,293 1 8
Tharrawaddy	1,063	1,719	502	2,840	3,266 10 6
Rangoon	6,179	2,675	1,177	400	12,597 9 8
Toungoo	5,352	2,270	1,282	6,850	6,891 2 9
Shwegyin	2,881	2,920	2,179	225	6,898 6 9
Western	3,850	3,911	10,143	32,526	10,820 6 9
Total ...	22,385	19,045	26,321	60,871	50,767 5 8

The quantity of unreserved woods extracted under permits for domestic consumption has still further decreased. Nearly all the wood worked out in the Toungoo division has been for conversion into railway sleepers for the Toungoo-Mandalay line.

The Agency division collected in addition Rs. 1,510 on timber brought to Rangoon without a license, and Rs. 825 were realized in the Arakan Commissionership.

(*b*). *Minor Forest Produce.*

Minor forest produce from reserves.

45. The revenue obtained from the different divisions for the extraction of minor forest product is shown in the following statement :—

Division.	Bamboos.	Cutch.	Wood-oil and thitsi.	Honey.	Cigar and other leaves.	Shaw fibre.	Thatch grass.	Grazing.	Canes.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Prome...	20	...	...	...	...	...	...	...	...	20
Tharrawaddy	1,256	7,135	5	15	17	26	33	65	...	8,552
Rangoon	1,888	...	...	...	29	157	26	92	...	2,192
Toungoo	52	...	8	...	...	55	...	...	36	151
Total ...	3,216	7,135	13	15	46	238	59	157	36	10,915

Minor produce from unreserved forests.

46. The revenue derived from forests not included in reserves amounted to Rs. 1,13,123, nearly all on account of cutch licenses.

Division.	Cutch licenses.	Charcoal.	Resin and shaw fibre.	Wood-oil and thitsi.	Fuel and bamboos.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Prome	97,740	208	46	4	...	97,998
Tharrawaddy	12,280	114	15	44	10	12,463
Rangoon	160	411	...	70	...	641
Toungoo	180	35	6	380	32	633
Shwegyin	...	79	...	94	...	173
Western	1,120	93	...	2	...	1,215
Total ...	1,11,480	940	67	594	42	1,13,123

The remarkable increase in the cutch revenue is probably due to the immigration of cutch-boilers (from Upper Burma, where the state of affairs would not permit of their working) and to the high market-rate ruling for this article, which exceeded that of former years by nearly 50 per cent.

3.—Free Grants.

Free grants of timber.

47. During the year under review the following free grants for timber to be utilized for religious purposes, bridge-building, &c., were issued to private individuals :—

By whom issued.	Teak.	Pyinma.	Kanyin.	Thingan.
	Tons	Tons	Tons	Tons
Commissioner of Tenasserim	...	27	...	...
Commissioner of Irrawaddy	41	2	8	...
Conservator of Forests	156	65	51	5
Total ...	197	94	59	5

4.—*Summary of Yield.*

Total yield from all divisions.

48. An estimate of the total outturn of timber from all divisions in the circle gives the following results. Further details including minor produce are given in Appendix O :—

How extracted.	Teak.	Other reserved trees.	Unreserved woods.		Bamboos.
			Logs.	Posts and poles.	
	Tons	Tons	Tons	Tons	Number
By Government	28,454	612	1,685	...	...
By purchasers	392	3,853	29,237	3,550	1,282,700
Under free grant	197	159	...	...	...
Total ...	29,043	4,624	30,922	3,550	1,282,700

The outturn of teak is 4,513 tons in excess of the previous year; and reserved woods also show an increase of 2,651 tons owing to the more general adoption of kanyin instead of unreserved woods for shifting-boards in the rice vessels. The extraction of unreserved woods exhibits a further decrease of 3,651 tons.

5.—*Drift Operations.*

Drift collections.

49. The result of the drift collections in the different divisions is shown below :—

Division.	Balance, 1885-86.	Collected during 1886-87.	Returned to claimants.	Sold.	Drifted away or utilized departmentally.	Balance.
Prome	65	2,561	2,161	76	51	338
Rangoon	...	670	661	...	...	9
Toungoo	117	4,900	4,610	198	76	133
Shwegyin	673	3,227	2,725	684	409	82
Western	119	783	515	216	252	121
Agency	47	661	581	53	...	74
Total ...	1,021	12,752	11,253	1,222	788	762

6.—*Girdling.*

Girdling operations.

50. Sanction was received to girdle in the different divisions 14,060 teak trees outside reserves and 1,740 inside, or in all 15,800 trees. The girdling that took place is exhibited in the following table :—

Division.	Proposed girdling		Total.	Number girdled		Total.
	Inside reserves.	Outside reserves.		Inside reserves.	Outside reserves.	
Prome	...	2,500	2,500	...	2,500	2,500
Tharrawaddy	1,200	3,400	4,600	200	5,497	5,697
Rangoon	540	160	700	540	61	601
Toungoo	...	6,500	6,500	...	6,150	6,150
Shwegyin	...	1,500	1,500	...	1,500	1,500
Total ...	1,740	14,060	15,800	740	15,708	16,448

It will be noticed that 648 trees have been girdled in excess of the proposals; this was owing to an oversight on the part of the girdling officer in North Tharra-

waddy, who misunderstood his orders and believed he was to complete the girdling outside reserves of all marketable trees. It is a matter of no importance as the trees girdled are all outside reserves and in places where no reserve is likely ever to be taken up.

With the exception of Mindôn, Prome division, where it was considered unadvisable for an European officer to travel, the rest of the work has been generally inspected by gazetted officers and partially by the Conservator. Appendix D furnishes full details.

7.—*Disposals and Sale Depôts.*

Local sales.

51. The sale at Prome of 647 rejected (contractors') teak logs realized Rs. 7,396, and a further sum of Rs. 752 was received on account of sale of 12 refuse, 54 paddy-field, and 115 confiscated teak planks. From the different small railway depôts in the Tharrawaddy division 14,223 paddy-field teak logs were sold for Rs. 53,164, or at an average rate of Rs. 14-12-0 per ton. Nineteen logs of teak and one kanyin log were also disposed of for Rs. 524. In the Rangoon division 610 refuse teak logs at Rs. 33 per log and 162 teak yatthits were sold at Pegu for Rs. 21,507. By the sale of 78 teak refuse and 176 unmarked teak logs at Toungoo Rs. 2,413 were obtained and 285 logs of unreserved timber realized Rs. 1,050. In the Shwegyin division the 964 teak logs extracted departmentally were disposed of locally for Rs. 8,202, and 95 kanyin and 310 thabyè logs were sold for Rs. 1,475. The local sales in the Western division, chiefly to the Bassein Jail, were as follows :—

		Tons.	Rs.
128	logs teak containing	24	1,533
23	thabyè	11·5	161
917	pyinkado	617	9,013
285	logs kashit	202	1,505
205	logs kanyin	120	1,672
167	logs thitto	122	912
78	logs in	55	872

Timber depôt at Rangoon.

52. The following table gives the receipts and disposals from the Rangoon depôt during the year and the balance on hand at close :—

Balance in April 1886.		Arrivals during the year from all divisions.		Sales and disposals during year.		Balance on 31st March 1887.	
Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
Teak.							
24,822 54*	20,768	28,823	27,473	28,774	25,423	24,871 54*	22,818
Drift teak.							
46	42	1,305	1,231	1,276	1,233	75	40
Woods of other kinds.							
99	111	1,588†	854	1,672†	455	15	10
Drift woods of other kinds.							
1	1	26	20	19	11	8	10

Compared with last year the arrivals of teak are 7,329 tons, the sales 557 tons, and the balance 2,048 tons in excess.

* Sleepers. | † Includes 1,262 sleepers and 90 scantlings.

Details arranged according to the different divisions are given in Appendix P.

Summary of sales from Rangoon depôt.

53. By sales at auction and upon indent Rs. 10,82,239 were realized, explained as follows:—

Wood.	Auction sales.			Indent sales.			Grand total.	Average.	
	Number of logs.	Number of tons.	Amount.	Number of logs.	Number of tons.	Amount.		Per log.	Per ton.
			Rs			Rs.	Rs.	Rs. A. P.	Rs. A. P.
Teak	15,741	11,212	4,38,232	13,088	14,212	6,32,850	10,71,082	37 8 0	42 2 0
Kanyin	240	359	7,916	...	...	...	7,916	32 15 0	22 0 0
Thitka	80	57	1,600	...	...	...	1,600	20 0 0	28 1 0
Pyinkado sleepers and scantlings.	...	36	485	...	...	...	485	...	12 1 0
Drift	53	...	1,206	...	...	...	1,206	...	...

Compared with the average rate obtained last year teak shows a decrease of Rs. 1-2-0 per ton.

Approximate value of stock of timber at depôt.

54. The stock at the depôt at the close of the year consisted of 905 I class, 23,966 II class logs, and 54 sleepers, or 22,818 tons. With the probability of a falling market it will not be safe to adopt a higher rate than last year, and the approximate value at Rs. 30 per ton is Rs. 6,68,500, or Rs. 43,000 more than at the close of the previous year.

CHAPTER V.

Import and Export of Timber, &c.

Imports by Irrawaddy and Sittang.

55. The number of teak logs from the Ningyan forests passed at Toungoo only amounted to 17,557 logs, or roughly 18,000 tons, compared with 61,265 passed the previous year. The imports by the Irrawaddy, which show an increase of 18,394 in the number of logs (14,500 tons) were as follows: 30,787 logs, 858 squares, 181 planks, 9,810 wheel and oar poles, or 25,600 tons.

The number of logs of other woods passed at Allanmyo decreased and was—pyinkado 20 logs, padauk 180 logs and 41 squares, other woods 255 logs and 21 squares.

Exports from Rangoon.

56. The exports of teak from the port of Rangoon amounted to 46,734 tons compared with 63,368 during last year, with an estimated value of Rs. 34,66,561 against Rs. 53,72,330 in 1885-86. The estimated value per ton has decreased to Rs. 74-2-9 per ton, or Rs. 10-9-8 lower than the previous year.

The export of cutch has increased by 26,313 cwts. to 246,570, and the value is estimated at Rs. 37,35,119 against Rs. 26,35,015 last year, showing an increase of Rs. 11,00,104, or Rs. 3·2 per cwt., equal to over 25 per cent.

Further details as to export of forest produce from Rangoon will be found in Appendix C (*a*).

CHAPTER VI.

Financial Results.

Financial results.

57. The revenue and expenditure as furnished by the Comptroller-General are—

	Rs. A. P.
Revenue	16,05,428 11 6
Expenditure	6,57,362 2 10
Surplus ...	9,48,066 8 8

These amounts, however, include the following revenue and expenditure chargeable to Upper Burma :—

	Rs	A.	P.
Revenue	1,08,074	0	0
Expenditure	2,187	15	6
Surplus ...	1,05,886	0	6

Deducting the above the figures for the Pegu circle are as follows :—

	Rs.	A.	P.
Revenue	14,97,354	11	6
Expenditure	6 55,174	8	4
Surplus ...	8,42,180	8	2

or a net increase of Rs. 1,20,002 upon last year.

Comparison with previous years.

58. These figures compare with the previous three years as follows :—

	Revenue. Rs.	Expenditure. Rs.	Surplus. Rs.
1883-84 ...	18,51,228	8,03,952	10,47,276
1884-85 ...	12,71,328	9,04,119	3,67,209
1885-86 ...	15,54,616	8,32,438	7,22,178
1886-87 ...	14,97,355	6,55,174	8,42,181

I. Revenue and expenditure.

Compared with the previous year there has been a decrease of Rs. 89,738 in the revenue received upon timber extracted by Government, and a corresponding decrease of Rs. 1,48,094 on the expenditure, so that really the year's transactions show an increase of Rs. 58,356 The fall in the gross receipts is the result of the discontinuance of sleeper operations.

II. Collections and disbursements.

The revenue collected upon timber brought out by consumers amounted to Rs. 97,182 and shows a small increase of Rs. 4,818; this is a long way below the revenue of 1884-85. The expenditure is slightly below that of 1885-86. The revenue collections upon minor forest produce amounted to Rs. 1,24,006, or Rs. 50,707 in excess of the previous year. This was obtained from cutch licenses; the market rate for cutch was about 50 per cent. higher than last year.

Drift operations.

The quantity of drift collected in the Sittang from the Ningyan forest was very much less than during 1885-86; and, on the other hand, the collections in the Irrawaddy slightly increased. The gross revenue collected decreased by Rs. 19,579 and the expenditure by Rs. 13,920.

Duty on foreign or imported timber.

Rupees 2,660 were realized as duty upon teak imported from Upper Burma from persons who had paid no royalty or other fees to the late Burmese Government.

Miscellaneous.

The receipts under Miscellaneous decreased by Rs. 3,595, while the expenditure shows a small increase of Rs. 334. The decrease of revenue is mainly consequent upon the decreased imports from Ningyan, while the expenditure was swelled by a refund in the Rangoon division of Rs. 5,082.

Live-stock, stores, &c.

The expenditure upon live-stock and stores shows an increase of Rs. 1,444. One elephant was purchased during the year and cost of elephant gear accounts for the balance.

Buildings, &c.

The cost of the bungalow at Myitkyo rebuilt during the year accounts for the increased expenditure under this head.

Plantations, &c.

The decrease of Rs. 17,806 is consequent upon a smaller area of new plantations and no field work for working plans having been undertaken.

Cost of establishment.

The cost of establishment increased by Rs. 334 due to annual increments of office establishments; travelling allowances remained about the same. Contingencies show a trifling increase of Rs. 63.

Financial results arranged according to divisions.

59. The following table exhibits the revenue and expenditure of each division :—

Division.	Revenue.			Expenditure.	Surplus.
	Local collections.	Agency collections.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Prome	1,33,807	43,195	1,77,002	69,927	1,07,075
Tharrawaddy	82,777	5,86,227	6,69,004	2,17,939	4,51,065
Rangoon	54,878	1,98,506	2,52,884	1,35,471	1,17,413
Toungoo	30,398	2,18,875	2,49,276	1,26,480	1,22,796
Shwegyin	54,448	8,400	62,848	42,241	20,607
Western	72,676	1	72,677	60,131	12,546
Agency	...	13,667	13,667	2,985	10,682
Total ...	4,28,484	10,68,871	14,97,355	6,55,174	8,42,181

Summary of receipts and charges.

60. The usual comparison with the last two years is as follows :—

	Receipts			Charges.			Surplus or deficit.					
	1884-85.	1885-86	1886-87	1884-85.	1885-86.	1886-87	1884-85.		1885-86.		1886-87.	
							Surplus.	Deficit	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
I.—Departmental timber operations.	10,19,130	13,79,427	12,66,189	7,14,375	6,55,706	4,96,621	3,04,755	...	7,23,721	...	7,69,568	
II —Other revenue	2,52,198	1,75,189	2,31,166	72,615	64,381	67,740	1,79,583	...	1,10,808	...	1,63,426	..
III —Formation and improvements.	..	...	.	1,17,129	1,12,351	90,813	.	1,17,129	...	1,12,351		90,813
Total ...	12,71,328	15,54,616	14,97,355	9,04,119	8,32,438	6,55,174	3,67,209	..	7,22,178	...	8,42,181	.

General.

Unsettled state of the province interrupted work.

61. The unsettled state of different parts of the country has materially affected forest work. Timber extraction was partially stopped in the Toungoo and Western divisions ; taungya plantations could not be planted up in the Tharrawaddy division ; field work for working plans could not be undertaken ; forest settlement work has had to be postponed ; and the local trade in unreserved woods has decreased.

Timber market.

62. The teak markets, both in Europe and India, have remained depressed during the year, and at the close both the Calcutta and Bombay markets were still overstocked.

Act and rules.

63. A few minor alterations were made in the rules, and under section 39 of the Act a notification (No. 2, dated the 7th January 1887) was issued, by which a duty is now levied on teak, upon which no royalty has been paid in Upper Burma when brought into Lower Burma.

Teak clump demarcation in the Tharrawaddy district completed.

64. The demarcation of the outlying patches of teak surrounded by cultivation has been completed in the Tharrawaddy district and these small tracts are being surveyed and marked upon the kwin maps. No further action can be taken until these surveys are finished.

Elephants.

65. One baggage elephant was purchased during the year ; the balance from last year was reduced by the theft by dacoits of two, the death of one full-grown elephant and the calf,

leaving only 33 animals at the close of the year. The average monthly cost per animal amounted to Rs. 36-12-9.

Steam-launch *Forester*.

66. The launch *Forester* was away the whole year in Upper Burma.

Controlling officers.

67. The Conservator was on special duty for some three months, during which time Captain Bingham held current charge of the Conservator's office in addition to his own work.

The controlling officers generally have worked well and to the satisfaction of the Conservator, and Captain Bingham deserves special credit for the manner in which he carried on his dual duties while in charge of the Conservator's office as well as his own division.

Executive staff.

68. Probationary Sub-Assistant Maung Kalè has maintained his reputation, and Rangers Maung Thakado and Maung Yaing have displayed intelligence and praiseworthy energy in carrying out their work.

Office and agency.

Both Mr. Buchanan, Superintendent of the Conservator's office, and Mr. Allmark, Depôt and Agency Officer, have afforded the Conservator valuable assistance, and office establishments generally have worked satisfactorily.

E. P. POPERT,

Conservator of Forests, Pegu Circle.

APPENDICES.

ANNUAL FORM No. 49 [PRESCRIBED].—*Area of Reserved Forests in the Tenasserim and Pegu Circles for the year 1886-87.*

Division.	Range.	Civil district or territory	Name of forest.	Area on 1st April 1886.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1887		No and date of notification of addition or transfer	Remarks.
				Acres	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
West Salween	West Salween	Salween	Wamu chaung	1,920	3	...	...	1,920	3		
			Sinzwe	8,960	14	...	...	8,960	14		
			Kahilu	9,600	15	...	...	9,600	15		
			Minnanwè	3,840	6	..	...	3,840	6		
			Mewaing	7,360	12	...	...	7,360	12		
			Upper Methalauk	8,960	14	...	...	8,960	14		
			Lower Do.	3,840	6	...	...	3,840	6		
		Shwegyin	Bilakatkyi	8,320	13	..	...	8,320	13		
			Onkangyi	8,320	13	...	...	8,320	13		
		Amherst	Tagalaung	5,120	8	...	...	5,120	8		
		Salween	Pa chaung	25,600	40	...	...	25 600	40		
			Dagwin	6,400	10	...	...	6,400	10		
East Salween	East Salween.	Amherst	Kamawkala	5,760	9	...	...	5,760	9		
			East Mepalè	38,400	60	...	...	38,400	60		
			Metkauè	17,280	27	...	...	17,280	27		
			Mepale	25,600	40	...	...	25,600	40		
			Kyaukket	12,160	19	...	...	12,160	19		
			Megala	6,400	10	...	...	6,400	10		
			Winsaw	6,400	10	...	...	6,400	10		
			Mithawè	12 160	19	...	...	12,160	19		
			South Myawadi	150	...	...	...	150	...		
			Onkaraing	33,920	53	...	...	33,920	53		
			Gawlè	37,120	58	...	...	37,120	58		
			Baledo	1,600	2	...	...	1,600	2		
			Dah	7,680	12	...	...	7,680	12		
Attaran	Attaran..	Amherst	Pakabo	20 480	32	...	...	20,480	32		
			Natchaung	5,760	9	...	...	5,760	9		
			Gôngyi	27,520	43	...	.	27,520	43		
			Ma-u	8,960	14	...	...	8 960	14		
			Megwa	12,160	19	...	..	12,160	19		
			Thingannyinaung	5,760	9	...	...	5,760	9		
			Kyunchaung	10,880	17	..	...	10 880	17		
			Ye	.	...	202,880	...	202,880	317	No 32F., dated 8th September 1886	
South Tenasserim.	Tavoy ...	Tavoy	Mintha	64,000	100	...	...	64,000	100	... ...	Includes 12 square miles of Karen area.
			Kaleinaung	294,400	460	...	..	294,400	460		
			TOTAL TENASSERIM CIRCLE	752,790	1,176	202,880	...	965,670	1,493		
			A.—CLASSED STATE FORESTS AND WASTE LANDS.								
			(a) *Reserved Forests.*								
Division	Myedè.	Thayetmyo ...	Tindaw	2,880	5	...	...	2,880	5		
			Satsuwa	4 800	7	...	...	4,800	7		
			Thayetmyo, East Yoma	71,680	112	...	...	71,680	112		
	Kama .	Ditto	Saingdo	1,216	2	...	...	1,216	2		
			Thabala	6,080	9	...	...	6,080	9		
			Mindôn Yoma	166 400	260	...	...	166,400	260		
			Ngawet	3,200	5	...	...	3,200	5		
			Total Thayetmyo	256,256	400	...	...	256,256	400		

Prome	Nawin ...	Prome	Thitkat and Ayodaung ...	2,944	5	...	...	2,944	5		
			Thayetchaung and Nyaungbindet.	4,964	8	...	...	4,964	8		
			Kywèmido	2,442	4	...	...	2,442	4		
			Nabebyu	3,840	6	...	...	3,840	6		
			Shwelaung and Pwegin ...	13,120	21	...	...	13,120	21		
			Gwegyo	6,720	10	...	...	6,720	10		
			Chaungzauk	9,408	15	...	...	9,408	15		
			Ngaluzan	700				700			
			Shwekyundaw	256	2	...	...	256	.2		
			Prome plantation ...	73				73			
			Prome, East Yoma ...	97,600	152	...	...	97,600	152	.....	Includes Karen area of 43 square miles
			Tônyè fuel reserve ...	12,224	19	...	...	12,224	19		
			Pauktaw do. ...	4,672	7	...	...	4,672	7		
			Sinmiswe do. ...	6,400	10	...	...	6,400	10		
			Total ...	165,263	259	...	...	165,263	259		
			Total Prome division ...	421,519	659	...	...	421,519	659		
			Karen areas ...	27,520	43	...	...	27,520	43		
			Total area free of taungya privileges.	393,999	616	...	...	393,999	616		
Tharrawaddy Division.	Shwele ...	Prome	Shwele Yoma	33,600	52	...	...	33,600	52	....	Includes Karen area of 12 square miles.
			Dawle	1,800	3	...	...	1,800	3		
			Padetmyaung	4,500	7	...	...	4,500	7		
			Kyaukkyitaung	2,600	4	...	...	2,600	4		
			Bwet	2,900	5	...	...	2,900	5		
			Gwedauk kwin	10,200	16	...	...	10,200	16		
			Kyibyu	2,200	3	...	...	2,200	3		
			Kadinzauk and Kadinthônzin	3,500	6	...	...	3,500	6		
			Shabaung	2,200	3	...	...	2,200	3		
			Tarôkmaw and Inma ...	24,576	38	...	...	24,576	38	.....	Part in Tharrawaddy district.
			Taungnyo Yoma	88,320	138	...	...	88,320	138	.....	Includes Karen area of 36 square miles.
	Bawbin ...	Tharrawaddy ...	Upper Padinbin	600	1	...	...	600	1		
			Lower Padinbin	200	...	...	...	200	...		
			Tapun	4,260	7	...	...	4,260	7		
			Nyanlè	5,800	9	...	...	5,800	9		
			Kanni	800	1	...	...	800	1		
			Pazingyi	1,300	2	...	...	1,300	2		
			Taungnyomyo	4,780	8	...	...	4,780	8		
			Minbu	14 003	22	...	...	14,003	22		
			Bawbin	65,594	102	...	...	65,594	102	.....	Includes Karen area of 35·66 square miles.
			Upper Payagyi	704	1	...	...	704	1		
			Lower Payagyi	307	...	...	...	307	...		
			Thitcho	2,970	5	...	...	2,970	5		
			Kangyi	4,896	8	...	...	4,896	8		
			Gwedauksan	1,222	2	...	...	1,222	2		
			Chaungwa	1,504	2	...	...	1,504	2		
			Myodwin	38	...	...	...	38	...		
			Chaungzauk (fuel) ...	3,454	5	...	...	3,454	5		
			Carried forward ...	298,828	450	...	...	288,828	450		

ANNUAL FORM No. 49 [PRESCRIBED].—*Area of Reserved Forests in the Tenasserim and Pegu Circles for 1886-87*—(concluded).

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1886. Acres.	Area on 1st April 1886. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 31st March 1887. Acres.	Area on 31st March 1887. Equivalent in square miles	No. and date of notification of addition or transfer.	Remarks.
THARRAWADDY DIVISION—(concld.)	Gamôn ..	Tharrawaddy	Brought forward ...	288,828	450	...	...	288,828	450		
			Minhla	25,453	40	...	...	25,453	40	.....	Includes Karen area of 6·43 square miles.
			Gamôn	47,757	75	...	...	47,757	75	.....	Includes Karen area of 29·31 square miles.
			Taung	14,016	22	...	...	14,016	22	.....	Includes Karen area of 8·43 square miles.
			Taukkyan	3,138	5	...	...	3,138	5		
			Thakolan	1,134	2	...	...	1,134	2		
			Chaungnagôn	350	1	...	...	350	1		
			Satpôk (fuel)	5,276	8	...	...	5,276	8		
			Sitkwin (fuel)	3,080	5	...	...	3,080	5		
	Bilin ...	Ditto	Môkka	22,406	35	...	...	22,406	35	.....	Includes Karen area of 10·28 square miles.
			Kadin-Bilin	53,363	83	...	...	53,363	83	.....	Includes Karen area of 22·33 square miles.
			Kôn-Bilin	15,987	25	...	...	15,987	25	.....	Includes Karen area of 14 80 square miles.
			Thônzè	69,734	109	...	...	69,734	109		
			Thindawyo	6,551	10	...	...	6,551	10		
			Total Tharrawaddy division	557,073	870	...	...	557,073	870		
			Karen areas	112,043	175	...	...	112,043	175		
			Total area free of taungya privileges.	445,030	695	...	...	445,030	695		
DIVISION	Paunglin	Hanthawaddy ...	Kyetpyugan	940	2	...	...	940	2		
	Kinbadi...	Ditto	Magayi	12,800	20	...	...	12,800	20		
			Ôkkan	80,000	125	...	...	80,000	125	.....	Includes Karen area of 13 square miles.
	Hlaing ...	Ditto ...	Hlaing Yoma	59 520	93	...	...	59,520	93		
			Total ...	153,260	240	...	...	153,260	240		
			Fuel Reserves.								
	Hlaing ...	Hanthawaddy	Hmawbi	1,846	3	...	.	1,846	3		
			Kyun	8,600	13	...	...	8,600	13		
			Thitpyat	3,100	5	...	...	3,100	5		
			Thabyu...	8,000	13	...	..	8,000	13		
			Total ...	21,546	34	...	. .	21,546	34		

Rangoon	Pegu ..	Pegu ..	Upper Zamayi	145,920	228	...	...	145,920	228	.....	Includes Karen area of 88 5 square miles
			Lower Zamayi .. .	112,000	175	...	..	112,000	175	.....	Includes Karen area of 18·5 square miles.
			Kadat	64,000	100	..	...	64,000	100		
			Letpan . .	10,880	17	..	..	10,880	17		
	Paunglin		Paunglin .	68,480	107	.	.	68,480	107	... .	Includes Karen area of 7 square miles.
			Total .	401,280	627	.	.	401,280	627		
			Total Rangoon division	576,086	901	...	...	576,086	901		
			Karen area .	81,280	127	.	...	81,280	127		
			Total area free of taungya privileges	494,806	774	..	..	494,806	774		
Toungoo Division	Thagaya	Toungoo	Yenè	5,800	9	...	..	5,800	9		
			East Swa .. .	17,280	27	..	..	17,280	27		
			Kyaukmasin .	20,480	32	..	...	20,480	32		
			Saing .. .	64,640	101	..	...	64,640	101		
			West Swa . .	38,400	60	...	..	38 400	60		
			Lônyan	10,880	17	..	...	10,880	17		
			Sabyin	26,240	41	..	...	26,240	41		
			Gwethe	33,280	52	...	..	33,280	52		
	Zeyawadi	Ditto .	Bondaung	25,600	40	..	..	25,600	40		
			Kabaung	220,800	345	...	...	220,800	345	... .	Includes Karen area of 65 5 square miles
	Bônmadi	Ditto ..	Pyunchaung	3,400	5	...	...	3,400	5		
			Kanni	280	..	..	..	280			
			Gonwè	6,400	10	..	.	6,400	10		
	Kya thaung daung	Ditto	Thandaung . ..	12,025	19	...	.	12,025	19		
			Total Toungoo division	485,505	758	..	.	485,505	758		
			Karen area	41,920	65	...	...	41,920	65		
			Total area free of taungya privileges.	443,585	693	..	...	443,585	693		
Shwegyin Division	Sittang	Shwegyin .	Kyundaung . .	960	1	..	...	960	1		
			Kyundaung extension ...	3,840	6	...	...	3,840	6		
	Kyaukkyi	Ditto .. .	Binbyè	6,400	10	..	...	6,400	10		
	Bawni ..	Ditto ...	Upper Kanyinmyaung ..	8,320	13	...	...	8,320	13		
			Lower Kanyinmyaung .	28,800	45	..	..	28 800	45		
			Tougan	20,480	32	.	..	20,480	32		
			Total ...	68,800	107	...	..	68,800	107		
Pegu Circle—Total	...	(a) Area free of taungya privileges .. .		1,846,220	2,885	..	...	1,846,220	2,885		
	...	(b) Karen area		262,763	410	..	. ...	262,763	410		
	...	(c) Area of *a. b*		2,108,983	3,295	.	.	2,108,983	3,295		
Tenasserim Circle—Total	..	(a) Area free of taungya privileges		745,110	1,164	202,880	...	947,990	1,481		
	..	(b) Karen area		7,680	12	..	...	7,680	12		
	..	(c) Area of *a b*		752,790	1,176	202,880		955,670	1,493		
Lower Burma—Grand Total.	...	(a) Area free of taungya privileges		2,591,330	4,049	202,880	...	2,794,210	4,366		
	..	(b) Karen area		270,443	422		.	270,443	422		
	...	(c) Area of *a. b.*		2,861,773	4,471	202,880	...	3,064,653	4,788		

ANNUAL FORM No. 50 [PRESCRIBED].—*Prosecutions for Breaches of Forest Rules during the year 1886-87.*

Forest division and civil district	Cases pending from 1885-86.	New cases of the year.					Total cases	Disposed of during the year.						Cases pending at close of the year.	Remarks
		Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce	Grazing without permission or in tracts in which grazing is prohibited	Other offences	Total new cases of the year.		Convictions.		Acquittals.		Total.			
								Cases.	Persons	Cases.	Persons.	Cases.	Persons.		
Attaran Division—															
Amherst district	..	.	21	.	...	21	21	13	14	8	9	21	23	...	Mindôn and Yè cases tried by Myoôks.
	...	..	89	...	7	96	96	96	128	...	...	96	128	...	Compounded offence.
East Salween Division—															
Amherst district	...	...	2	...	..	2	2	2	11	...	...	2	11	...	Compounded offence.
West Salween—															
Amherst district	...	...	2	...	...	2	2	2	2	...	...	2	2	...	
Shwegyin district	...	...	2	...	...	2	2	...	...	...	...	.	..	2	
Kado Division—															
Amherst district	...	...	2	...	110	112	112	109	140	3	3	112	143	..	
Total ...	...	...	118	..	117	235	235	222	295	11	12	233	307	2	
Prome—															
Prome civil district	..	..	55	...	...	55	55	46	84	9	12	55	96	...	
Thayetmyo	.	...	12	...	1	13	13	10	13	3	5	13	18	...	
Total ...	...	...	67	...	1	68	68	56	97	12	17	68	114	...	
Tharrawaddy—															
Tharrawaddy district	...	.	3	...	...	3	3	3	10	...		3	10	...	
Prome	...	...	20	...	...	20	20	20	47	...	3	20	59	...	
Total ...	...	...	23	...	...	23	23	23	57	...	3	23	60	...	
Bangoon—															
Pegu district	1	..	1	...	...	1	2	1	1	1	2	2	3	...	
Hanthawaddy	...	...	2	...	1	3	3	1	1	1	1	2	2	1	
Total ...	1	...	3	..	1	4	5	2	2	2	3	4	5	1	
Toungoo—															
Toungoo district	...	...	3	..	13	16	16	16	16	...	...	16	16	...	
Shwegyin—															
Shwegyin district	...	...	9	.	1	10	10	8	9	2	2	10	11	...	
Western—															
Henzada	...	...	9	...	...	9	9	6	10	3	6	9	16	...	
Bassein	..	...	5	...	...	5	5	4	4	1	1	5	5	...	
Total ...	.	..	14		...	14	14	10	14	4	7	14	21	...	
Total Pegu circle	1	..	119	.	16	135	136	115	195	20	32	135	227	1	
GRAND TOTAL LOWER BURMA ...	1	.	237	..	133	370	371	337	490	31	44	368	534	3	

FORM No. 51 [PRESCRIBED].—*Area of Forest Tracts protected from Fire during the Dry Season of 1887 (to accompany Report for 1886-87).*

DIVISION.	Forest tract	Year in which protection commenced.	Area actually protected up to 1st June 1886.	DURING DRY SEASON OF 1887.			Cost during the season.	Remarks.
				Area attempted to be protected.	Failure.	Actually protected.		
			Acres	Acres.	Acres.	Acres.	Rs.	
WEST SALWEEN	Sinzwè	1871	8,960	8,960	.....	8,960	714	
	Wamu	1871	1,920	1,920	.....	1,920	127	
	Kahulu	1878	1,280	1,280	.....	1,280	164	
	Mèwaing	1877	7,360	7,360	.....	7,360	14	
	Minnannwè	1878	3,840	3,840	.....	3,840	14	
	Ônkangyi	1877	8,320	6,300	.....	6,300	100	
	Bilakatkyi	1877	4,160	6,656	.....	6,656	39	
	Tagèlaung	1885	3,072	3,072	2	3,070	.....	
EAST SALWEEN ...	Mèpalè West	1881	23,270	25,600	.....	25,600	1,644	
ATTARAN	Kyunchaung	1880	10,880	10,880	.....	10,880	387	
	Dali	1878	92	100	.....	100	192	
	Natchaung	1883	1,800	1,800	.....	1,800	86	
	Pakabo	1883	.....	.....	.....	.....	.....	
	Total ...	...	74,944	77,768	2	77,766	3,502	

FORM No. 51 [PRESCRIBED].—*Area of Forest Tracts protected from Fire during the Dry Season of 1887 (to accompany Report for 1886-87)*—(concluded).

Division.	Forest tract	Year in which protection commenced	Area actually protected up to 1st June 1887	During dry season of 1887			Cost during the season	Remarks.
				Area attempted to be protected.	Failure	Actually protected.		
			Acres	Acres.	Acres	Acres.	Rs.	
PROME	Teak plantation	1857	40	75	75	.....	18	
	Chaungzauk reserve	1879	1,295	5,735	1,600	4,135	559	
	Tindaw	1887	.....	2,880	2,880	.....	11	
THARRAWADDY	Bwet	1877	2,699	2,886	.....	2,886	1,163	
	Nyanlè	1877	4,440	5,340	3,740	1,600	613	
	Bawbin	1869	314	614		612	290	
	Gwedauksan	1876	.....	233	24	209	94	
	Kangyi	1877	.....	4,896	37	4,859	935	
	Myodwin	1869	39	40	.....	40	40	
	Myaung-Minhla	1876	.....	819	.....	819	340	
	Minhla-Mókka	1876	.....	3,300	305	2,995	191	
	Mokka-Bilin	1873	3,500	20,980	3,783	17,197	1,000	
	Thonze Kôn-Bilin	1876	2,171	2,180	....	2,180	243	
	Gwedaukkwin	1886	303	2,000	2,000	.....	407	
	Kyaukkyitaung	1886	1,391	2,000	154	1,846	637	
RANGOON	Magayi plantation	1872	1,526	1,657	.....	1,657	1,803	
	Magayi reserve	1872	1,475	2,087	.....	2,087		
	Kyetpyugan plantation	1868	683	683	122	561		
	Kyetpyugan teak yas	1884	58	113	66	47	675	
	Kyetpyugan reserve	1886	188	144	.....	144		
	Dawè plantation	1883	299	407	.....	407		
	Dawe reserve	1883	30,451	30,362	.....	30,362	75	
TOUNGOO	Pyunchaung	1877	3,440	3,440	100	3,340	354	
	Yanè	1877	5,760	5,760	.....	5,760	385	
	East Swa	1883	17,280	17,280	....	17,280	570	
	Bôndaung teak yas	1884	17	17	.....	17	9	
	Kabaung	1884	105	105	.....	105	.....	
	Total Pegu Circle		77,414	116,233	14,868	101,345	10,825	
	GRAND TOTAL LOWER BURMA	.....	152,358	194,001	14,890	179,111	14,226	

ANNUAL FORM No. 52.—*Statement showing the Area of Plantations in the Tenasserim Circle for 1886-87.*

Division.	Name of plantation.	Area in acres				Receipts	Charges	Remarks.
		On 1st April 1886.	Added during the year.	Excluded during the year.	Area on 31st March 1887.	Of the year.		
						Rs.	Rs.	
	Regular Plantations.							
ATTARAN	Thinganyinaung	16	...	...	16	...	...	
WEST SALWEEN	Shwegun	5	...	...	5	...	...	
	Kolôn island	2	...	...	2	...	...	
	Total ...	7	...	...	7	...	...	
	Total Regular Plantations ...	23	...	...	23	...	...	
	Cultural Operations.							
	Mergui experimental plantation (not teak)	108	...	...	108	...	1,113	
	Total Cultural Operations ...	108	...	...	108	...	1,113	
	Total Regular Plantations ...	23	...	...	23	...	...	
	Total Taungya Plantations ...	2,280	745	...	3,025	...	4,765	
	Total Cultural Operations ...	108	...	...	108	...	1,113	
	Total Tenasserim Circle ...	2,411	745	...	3,156	...	5,878	

ANNUAL FORM No. 52 [PRESCRIBED].—*Statement showing the Area of Plantations in the Pegu Circle for 1886-87.*

Division.	Name of plantation.	Area in acres. On 1st April 1886.	Added during the year.	Excluded during the year.	Area on 31st March 1887.	Receipts Of the year.	Charges Of the year.	Remarks.
	Regular Plantations.					Rs.	Rs.	
PROME	Prome plantations	73	.....	.....	73	795*	...	* Includes Rs. 11 omitted last year.
THARRAWADDY	Bawbin chaungwa	340	.....	.....	340	.....	288	
	Kywémakaing	144	.....	.....	144	.....	60	
	Myodwin	10	.....	.....	10	.....	.....	
	Total	494	.....	.....	494	.....	341	
RANGOON	Kyetpyugan	745	51	.....	796	.....	901	
	Magayi	1,626	31	.....	1,657	.....	1,238	
	Total	2,371	82	.....	2,453	.....	2,139	
TOUNGOO	Kanni	65	.....	.....	65	.....	.....	
	Pyunchaung	701	.....	.....	701	.....	.....	
	Yémé	9	.....	.....	9	.....	.....	
	Total	775	.....	.....	775	.....	.....	
ARAKAN	Myanhtaing	10	.....	.....	10	.....	.....	
	Total Regular Plantations	3,723	82	.....	3,805	795	2,480	
	Cultural Operations.							
PROME	Chaungzauk	.....	.....	.....	.....	.....	7	
THARRAWADDY	Bwet	600	.....	.....	600	.....	592	
	Nyanlé	630	.....	.....	630	.....	591	
	Kangyi	350	.....	.....	350	.....	.....	
	Mókka-Bilin	1,008	.....	.....	1,008	.....	.....	
	Kyaukkyitaung	.....	.....	.....	.....	.....	.....	
	Gwedaukkwin	.....	.....	.....	.....	.....	.....	
	Pazingyi	125	.....	.....	125	.....	.....	
	Kadinzauk	300	.....	.....	300	.....	.....	
	Total	3,213	.....	.....	3,213	.....	1,183	
RANGOON	Magayi	.....	.....	.....	.....	.....	.....	
TOUNGOO	Teak and cutch seeds	.....	.....	.....	.....	.....	98	Value of teak-seeds to Chittagong.
	Pyunchaung	.....	.....	.....	.....	.....	.....	
	Total Cultural Operations	3,213	.....	.....	3,213	.....	1,288	
	Total Regular Plantations	3,723	82	.....	3,805	795	2,480	
	Total Cultural Operations	3,213	.....	.....	3,213	.....	1,288	
	Total Taungya Operations	8,038	789	193	8,634	.....	16,636	
	Total Pegu Circle	14,974	871	193	15,652	795	20,606	
	ABSTRACT.							
	Lower Burma.							
	Total Regular Plantations	3,746	82	.....	3,828	795	2,480	
	Total Cultural Operations	3,321	.....	.....	3,321	.....	2,401	
	Total Taungya Operations	10,318	1,534	193	11,650	.....	21,603	
	GRAND TOTAL	17,385	1,616	193	18,808	795	26,484	

ANNUAL FORM No. 52A.—*Statement of Taungya Teak, Thitka, and Padauk Plantations in the Tenasserim Circle for 1886-87.*

Division.	Name of reserve.	Year of formation.	Area on 1st April 1886.	Area planted with teak, &c., during 1886-87.	Cost up to 1885-86.		Cost during 1886-87.		Total cost.	Average cost per acre up to 1886-87.	Area on 31st March 1887.	Remarks.
					Original cost.	Maintenance.	Original cost.	Maintenance.				
			Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Acres.	
West Salween	Sinzwè	1869-70	1,054	99	2,230	3,662	316	781	6,989	6 1 0	1,153	
	Wanin	1877-78	55	...	270	103	...	27	400	7 4 0	55	
	Kahilu	1879-80	44	49	194	486	91	36	807	8 10 10	93	
	Ônkangyi	1877-78	291	229	1,037	267	595	315	2,214	4 4 1	520	
	Bilakatkyi	1877-78	93	84	196	87	198	182	663	3 11 11	177	
	Minnannwè	1877-78	113	...	436	115	...	...	551	4 14 0	113	
	Mewaing	1878-79	230	11	989	290	40	59	1,378	5 11 6	241	
	Total	.....	1,880	472	5,352	5,010	1,240	1,400	13,002	5 8 5	2,352	
Attaran	Dali ...	1877-78	127	19	470	163	118	113	864	5 14 8	146	
	Kyunchaung	1881-82	121	34	895	234	269	171	1,569	10 2 0	155	
	Pakabo	1883-84	3	...	11	7	...	...	18	6 0 0	3	
	Total	.....	251	53	1,376	404	387	284	2,451	8 1 0	304	
East Salween	Mèpalè	1882-83	143	218*	798	197	1,224	216	2,435	6 11 11	361	*Includes 7 acres planted as compensation and for which no payment was made.
	Total	.....	143	218	798	197	1,224	216	2,435	6 11 11	361	
	Plantations other than Teak.											
West Salween	Kahilu	1883-84	6	...	35	14	...	...	49	8 2 8	6	Thitka.
Attaran	Dali ...	1886-87	...	2	...	...	14	...	14	7 0 0	2	Padauk.
	Total	.....	6	2	35	14	14	...	63	7 14 0	8	
	GRAND TOTAL TENASSERIM CIRCLE	.....	2,280	745	7,561	5,625	2,865	1,900	17,951	5 14 11	3,025	

ANNUAL FORM No. 52A.—*Statement of Taungya, Teak, Cutch, &c., Plantations during 1886-87.*

Division.	Name of forest.	Area in acres: On 1st April 1886	Added during the year.	Excluded during the year.	Area on 31st March 1887.	Cost up to 1885-86: Original cost.	Maintenance.	Cost during 1886-87: Original cost.	Maintenance.	Total.	Average per acre.
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A P.
PROME ...	Chaungzauk ...	480	18	.....	498	2,913	2,859	115	606	6,493	13 0 7
THARRA-WADDY.	Bwet ...	300	.....	.....	300	1,613	448	.....	145	2,206	7 5 8
	Shwele Yoma	11	.....	11*	.....	76	.....	.....	.....	76	.....
	Nyanlé ...	312	73	.....	385	3,558	641	864	508	5,571	14 7 6
	Taungnyo Yoma	15	.....	15*	.....	135	59	.....	.....	194	.....
	Thitcho ...	15	.....	.....	15	70	.....	.....	.....	70	4 10 8
	Gwédauksan	81	.....	.....	81	899	353	.....	9	1,261	15 9 1
	Bawbin ...	15	.....	15	.....	118	10	.....	.....	128	8 8 6
	Do. Chaungwa	270	46	.....	316	2,530	853	580	260	4,223	13 5 10
	Kangyi ...	284	.....	.....	284	2,617	1,115	201	134	4,067	14 5 2
	Lower Payagyi	.....	24	.....	24	.....	.....	247	.....	247	10 4 8
	Minhla-Myaung	266	90	.....	356	3,482	1,080	953	416	5,931	16 10 7
	Minhla-Mókka	994	.....	.....	994	10,847	3,513	.....	1,080	15,440	15 8 6
	Mókka and Kadin-Bilin	2,511	181	4*	2,688	24,077	7,589	2,448	1,940	36,054	13 6 7
	Myodwin ...	2	.....	.....	2	31	.....	.....	4	35	17 8 0
	Thônzé Kôn-Bilin	626	57	.....	683	5,108	1,861	795	409	8,173	11 15 6
		5,702	471	45	6,128	55,161†	17,522†	6,088	4,905	83,676	13 10 6
RANGOON ...	Zamayi ...	364	108	115*	357	1,642	.....	1,213	232	3,087	8 10 4
TOUNGOO	Yenè ...	54	20	.....	74	628	140	188	49	1,005	13 9 4
	East Swa ...	91	76	.....	167	921	194	546	65	1,726	10 5 4
	Bôndaung ...	24	.....	.....	24	189	79	.....	18	286	11 14 8
	Kabaung ...	106	.....	.....	106	1,143	26	.....	79	1,248	11 12 5
	Pyunchaung ...	30	.....	21*	9	395	43	.....	9	447	49 10 8
		305	96	21	380	3,276	482	734	220	4,712	12 6 5
SHWEGYIN ...	Kyaukkaung	12	.....	12*	.....	.....	30	.....	.....	30	.....
	TOTAL TEAK TAUNGYAS ...	6,863	693	193	7,363	63,022	20,863	8,150	5,963	97,998	13 4 11
PROME ...	Chaungzauk ...	38	.....	.....	38	350	252	.....	36	638	16 12 8
TOUNGOO ...	Pyunchaung ...	2	.....	.....	2	8	.....	.....	.....	8	4 0 0
	TOTAL CUTCH TAUNGYAS ...	40	.....	.....	40	358	252	.....	36	646	16 2 5
PROME ...	Chaungzauk ...	494	96	.....	590	3,293	1,125	547	967	5,931	10 0 10
THARRA-WADDY.	Kyaukkyidaung ...	235	.....	.....	235	1,958	314	.....	451	2,723	11 9 5
	Pazingyi ...	12	.....	.....	12	108	23	.....	.....	131	10 14 8
	Gwedaukkwin ...	394	.....	.....	394	3,222	762	.....	724	4,708	11 15 2
		641	.....	.....	641	5,288	1,099	.....	1,175	7,562	11 12 9
	TOTAL TEAK AND CUTCH TAUNGYAS ...	1,135	96	.....	1,231	8,580	2,224	547	2,142	13,493	10 15
	TOTAL TAUNGYAS ...	8,038	789	193	8,634	71,960	23,339	8,697	8,141	1,12,137	12 15

* Areas planted in former years, but which have proved to be failures.

† Difference of Rs. 50 as compared with last year's figures, being value of seeds allotted in 1886-87.

FORM No. 53.—*Statement showing Number of Trees Felled or Girdled by Government Agency in the Tenasserim Circle during 1886-87.*

(SELECTION FELLINGS.)

Division.	TREES FELLED OR GIRDLED. Description.	Number	Remarks.
WEST SALWEEN ...	Teak...	470	Inside reserves.
EAST SALWEEN ...	Teak	556	Outside reserves.
	Total ...	1,026	
	ABSTRACT.		
	Teak	1,026	
	Total ..	1,026	

FORM No. 53.—*Statement showing Number of Trees Felled or Girdled by Government Agency in the Pegu Circle during 1886-87.*

(SELECTION FELLINGS.)

Division	TREES FELLED OR GIRDLED. Description.	Number.	Remarks.
PROME ..	Teak	2,500	Outside reserves.
THARRAWADDY ...	Teak	5,497	Ditto.
		200	Inside reserves.
RANGOON	Teak	540	Ditto.
		61	Outside reserves.
TOUNGOO ...	Teak	6,150	Ditto.
SHWEGYIN ...	Teak	1,500	Ditto.
	Total ...	16,448	
	ABSTRACT.		
	Teak, inside reserves	740	
	Teak, outside reserves	15,708	
	Total ...	16,448	

FORM No. 54.—*Statement of Outturn of Timber and Firewood in the Tenasserim Circle during 1886-87.*

Division.	Description of materials.	Outturn in cubic feet.								Remarks.
		Selection fellings.	Clearances.	Thinnings.	Total.	Removed by				
						Government agency.	Purchasers.	Free grants.	Right-holders.	
	I.—RESERVED FORESTS.									
EAST SALWEEN ...	Teak logs, pieces, and crooks	...	...	...	...	334,620	...	...	...	Taungyin.
ATTARAN	Teak logs, pieces, and crooks	...	...	...	...	3,110	...	...	...	Attaran.
WEST SALWEEN	Teak logs and pieces	...	...	...	...	11,488	..	...	...	Bilin.
	Teak pieces and crooks	...	...	...	...	46,788	...	...	...	Ynnzalin.
	Teak pieces and crooks	...	...	...	...	10,015	...	...	...	Dôndami.
	Thitka	...	..	...	...	4,627	..	...	...	
	Total ...	...	...	...	...	410,643	...	...	...	
	II.—PROTECTED FORESTS.									
	Nil.									
	III.—UNRESERVED FORESTS.									
ATTARAN ..	Teak logs, pieces, and crooks	...	...	...	...	22,442	...	...	23,260	
	Padauk logs	...	...	...	...	15,712	...	...	...	
	Ingyin logs	...	...	...	...	2,358	...	...	...	
	Thingan logs	...	...	...	...	...	1,081	120	...	
	Thingan hulls	...	...	...	...	...	6,708	...	...	
	Kaunghmu	...	...	...	...	...	683	...	...	
	Pyinma logs	...	...	...	...	...	578	7,160	870	
	Thitka	...	...	...	...	..	...	...	15,655	
	Unreserved woods	...	...	...	...	...	64,145	3,160	...	
	Posts and poles	...	...	...	...	...	578	...	...	
	Charcoal*	...	...	...	...	...	...	...	...	
	Teak stumps	...	...	...	...	...	...	75	...	
	Padauk branches	...	...	...	...	...	...	500	...	
KADO ..	Pyinma logs	...	...	...	...	...	3,230	530	...	
	Unreserved woods	...	...	...	...	..	...	800	...	
	Charcoal*	...	...	...	...	...	...	...	...	
	Teak logs	...	...	...	...	...	...	125	...	
	Teak logs and pieces	...	...	...	...	197,171	...	325	...	Taungyin.
	Teak logs, pieces, and crooks	...	...	...	...	19 912	...	...	...	Hlaingbwè.
	Teak pieces and crooks	...	...	...	...	7,287	...	...	...	Haungdraw.
	Teak logs, pieces, and crooks	..	...	...	...	941	...	...	...	Komônyo
	Padauk logs	...	...	...	...	2,287		...	...	
	Ingyin logs	...	...	...	...	1,195	...	...	...	
	Thitka logs	...	...	...	...	3,180	..	...	...	

East Salween	Pyinma logs	11,730	10,572	880				
	Pyinkado posts*	591	...	...	...			
	Thingan boat-hulls	92	2,495	...	...			
	Thitkado	...	88	...	...			
	Unreserved woods	...	9,850	...	...			
	Posts	...	72	...	...			
West Salween	Teak logs and pieces	44,632	...	...	...	Upper Salween.		
	Teak logs, pieces, and crooks	12,549	...	...	...	Lower Salween.		
	Teak logs and pieces	22,976	...	...	...	Bilin.		
	Teak logs, pieces, and crooks	...	...	...	43,965	Panda.		
	Thitka logs	2,644	...	...	...			
	Pyinma	2,426	1,100	600	...			
	Thingan pieces	...	494	...	...			
	Thingan hulls	120	285	...	...			
	Unreserved woods	...	111,515	1,600	...			
	Posts	...	300	...	...			
South Tenasserim	Thingan	...	32,650	440	...			
	Thitka	...	2,700	80	...			
	Kauzaw	...	15,700	480	...			
	Anan	...	2,950	840	...			
	Karawè	...	1,450	260	...			
	Kaunghmu	...	3,600	...	...			
	Unreserved woods	...	328,000	400	...			
	Thitkado	...	...	200	...			
	Total	370,275	600,824	18,585	83,750			
	Total Tenasserim Circle	760,918	600,824	18,585	83,750			

* The total quantity of firewood used cannot be given, as licenses are issued for the number of men engaged and not for the quantity of wood consumed.

Form No. 54.—*Statement of Outturn of Timber and Firewood in the Pegu Circle during 1886-87.*

Division.	Description of materials.	Outturn in cubic feet.							Remarks.
		Selection fellings.	Clearings.	Thinnings.	Total.	Removed by Government agency.	Purchasers.	Free grants.	Right-holders.	
	I.—Reserved Forests.									
Prome	Cutch trees	...	...	...	...	...	7,540	...	...	
Tharrawaddy	Teak logs	...	...	...	...	329,910	...	...	...	
	Cutch trees	...	...	...	...	...	68,400	...	...	
Rangoon	Upper Zamayi—Teak logs	...	...	...	...	29,750	...	...	...	
	Lower Zamayi—Teak logs	...	...	...	...	59,850	...	...	...	
	Kadat—Teak logs	...	...	...	...	64,550	...	...	...	
	Paunglin—Teak logs	...	...	...	...	20,600	..	...	...	
	Kyunchaung—Unreserved woods	...	...	...	...	...	69,564	...	...	
	Thitpya—Unreserved woods	...	...	...	...	...	51,440	...	...	
	Thabyn—Unreserved woods	...	...	...	...	.	11,186	...	...	
	Hmawbi—Unreserved woods	...	...	...	...	...	7,000	...	...	
	Total ...	...	...	...	...	524,760	215,130	...	...	
	II.—Protected Forests. *Nil.*									
	III.—Unreserved Forests.									
Prome ...	Teak logs	...	...	...	...	110,520	9,450	4,000	...	
	Teak refuse	...	...	...	...	1,230	...	...	...	
	Unreserved logs	...	...	...	...	...	224,360	...	...	
	Posts and poles...	...	...	...	...	...	58,100	...	...	
	Charcoal	...	...	...	...	...	...	...	...	209 trees.
Tharrawaddy	Teak logs	...	...	...	...	291,640	1,250	2,400	...	
	Reserved woods	...	...	...	...	50	150	...	...	
	Unreserved woods	...	...	...	...	...	59,700	...	...	
	Posts and poles	...	...	...	...	...	6,700	...	...	
	Teak, paddy-field	...	...	...	...	99,800	..	...	...	
	Charcoal	...	...	...	...	...	...	...	...	1,688 trees.

RANGOON ...	Teak logs ...	...	...	...	...	...	...	...	...	69,050	200	600	...	
	Reserved trees ...	...	...	...	...	...	...	...	...	3,150	5,050	1,600	...	
	Unreserved trees	...	...	...	...	...	...	...	...	...	365,810	...	...	
	Posts and poles...	...	...	...	...	...	...	...	...	...	3,150	...	...	
	Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...	300 trees.
TOUNGOO ...	Teak logs ...	...	...	...	...	...	...	...	...	224,800	2,200	750	...	
	Reserved woods	...	...	...	...	...	...	...	...	650	50,200	1,000	...	
	Unreserved woods	...	...	...	...	...	...	...	...	...	210,050	...	...	
	Posts and poles	...	...	...	...	...	...	...	...	...	15,250	...	...	
	Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...	1,610 trees.
SHWEGYIN ...	Teak logs ...	...	...	...	...	...	...	...	...	34,500	5,150	150	...	
	Reserved wood...	...	...	...	...	...	...	...	...	10,550	125,850	1,350	...	
	Unreserved woods	...	...	...	...	...	...	...	...	...	153,600	...	...	
	Posts and poles...	...	...	...	...	...	...	...	...	...	500	...	...	
	Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...	1,590 trees.
WESTERN ...	Teak logs ...	...	...	...	...	...	...	...	...	6,400	1,350	1,950	...	
	Reserved trees ...	...	...	...	...	...	...	...	...	16,200	1,400	4,000	...	
	Unreserved trees	...	...	...	...	...	...	...	...	84,250	232,200	...	...	
	Posts and poles...	...	...	...	...	...	...	...	...	...	65,300	...	...	
	Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...	186 trees.
AGENCY	Reserved trees...	...	...	...	...	...	...	...	...	...	10,000	...	...	
	Unreserved trees	...	...	...	...	...	...	...	...	...	1,000	..	...	
	Posts and poles	...	...	...	...	...	...	...	...	...	6,500	...	...	
				Total	...	...	...	...	...	1,012,790	1,636,470	17,800	...	
				GRAND TOTAL PEGU CIRCLE	...	...	...	...	...	1,537,550	1,851,600	17,800	...	

FORM No. 55.—*Statement showing Outturn of Minor Forest Produce in the Tenasserim Circle for 1886-87.*

Division.	Description of produce.	PRODUCE REMOVED OR UTILIZED										Remarks
		By Government Agency.		*By purchasers.*		*By free grants.*		*By right-holders.*		*Total.*		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
			Rs.		Rs.		Rs.					
				I.—RESERVED FORESTS.								
SOUTH TENASSERIM.	Bamboos	...	...	1,000	3	...	...	...	..	1,000	3	
	Total ...	...	...	1,000	3	..	...	...	...	1,000	3	
				II.—PROTECTED FORESTS								
ATTARAN .	Wood-oil	...	..	...	156	...	...	...	...	..	156	
EAST SALWEEN.	Bamboo seed ... ... Baskets	60	334	...	...	...	...	...	...	60	334	
KADO	Wood-oil	...	...	...	4	...	...	...	...	...	4	
	Resin	...	...	...	8	...	...	...	...	...	8	
SOUTH TENASSERIM	Wood-oil	...	...	...	1,587	...	...	...	...	...	1,587	
	Total ...	...	334	...	1,755	..	...	...	...	...	2,089	
				III.—UNRESERVED FORESTS.								
				Nil.								
	GRAND TOTAL ...	...	334	.	1,758	..	...	...	...	...	2,092	

FORM No. 55.—*Statement showing Outturn of Minor Forest Produce in the Pegu Circle for 1886-87.*

Division.	Description of produce.	PRODUCE REMOVED OR UTILIZED.										Remarks.
		By Government Agency.		*By purchasers.*		*By free grants.*		*By right-holders.*		*Total.*		
		Quantity.	Value.	Quantity.	Value	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
			Rs.		Rs.		Rs.		Rs.		Rs.	
	I.—RESERVED FORESTS											
PROME ..	Bamboos ... ... No.	...	...	7,850	20	...	...	...	..	7,850	20	
THARRAWADDY.	Bamboos ... ... No.	...	...	502,300	1,256	...	...	...	...	502,300	1,256	
	Grazing ... Head of cattle	...	...	145	65	...	...	...	...	145	65	
	Cutch ... ... Viss	...	...	235,200	7,135	...	...	...	...	235,200	7,135	
	Wood-oil ... ... ,,	...	...	10	5	...	...	...	...	10	5	
	Shaw ... ... ,,	...	...	2,777½	28	...	...	...	...	2,777½	28	
	Cigar leaves ... ... ,, / No.	...	...	300 / 120,000	17	...	...	...	...	300 / 120,000	17	
	Thatch ... ... Pieces	...	...	1,720	33	...	...	...	...	1,720	33	
	Honey ... ... Viss	...	...	75	15	..	...	...	...	75	15	
RANGOON	Bamboos ... ... No.	...	...	751,650	1,888	...	...	...	...	751,650	1,888	
	Grazing ... Oxen / Buffaloes	...	...	212 / 76	91	...	...	...	...	212 / 76	91	
	Shaw fibre ... ... Viss	...	...	15,600	157	...	...	...	...	15,600	157	
	Theng ... ... Cart-loads	...	...	4	16	...	...	...	...	4	16	
	Thatch ... ... do.	...	...	5	10	...	...	...	...	5	10	
	Cigar leaves ... ... No.	...	...	176,000	27	...	...	...	...	176,000	27	
	Betel leaves ... ... Viss	...	...	8	2	...	...	...	...	8	2	
TOUNGOO	Bamboos ... ... No.	...	...	20,850	52	..	...	...	...	20,850	52	
	Canes ... ... ,,	...	...	360	36	...	...	...	...	360	36	
	Shaw fibre ... ... Viss	...	...	5,450	55	...	...	...	...	5,450	55	
	Kanyin-oil ... ... ,,	...	...	60	6	...	...	...	...	60	6	
	Thitsi ... ... ,,	...	...	50	2	...	...	...	...	50	2	
	Thetke ... ...Cart-loads	...	...	...	...	2	4	...	...	2	4	
	Total ...	...	...	...	10,916	...	4	...	...	...	10,920	
	II.—PROTECTED FORESTS											
	Nil.											
	III.—UNRESERVED FORESTS.											
PROME	Cutch ... ... Viss	...	...	1,960,020	97,740	..	...	...	...	1,960,020	97,740	
	Resin ... ... ,,	...	...	23	46	...	...	...	..	23	46	
	Wood-oil ... ... ,,	...	...	2	4	...	...	...	...	2	4	
	Carried over ..	...	...	...	97,790	...	...	...	...	...	97,790	

Form No. 55.—*Statement showing Outturn of Minor Forest Produce in the Pegu Circle for 1886-87*—concluded.

Division.	Description of produce.		Produce removed or utilized.										Remarks.
			By Government Agency.		*By purchasers.*		*By free grants.*		*By right-holders.*		*Total.*		
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
				Rs.		Rs.		Rs.		Rs.		Rs	
	Brought forward ..		..	...	...	97,790	...	...	...	...		97,790	
Tharrawaddy.	Bamboos	No.	..	...	50	1	...	...	...	...	50	1	
	Cutch	Viss	...	...	353,800	12,280	...	...	...	...	353,800	12,280	
	Wood-oil	„	..	...	66	44	...	...	...	...	66	44	
	Shaw fibre	„	...	...	1,510	15	...	...	...	...	1,510	15	
Rangoon	Cutch	Viss	...	...	4,000	160	...	...	...	...	4,000	160	
	Kanyin-oil	„	...	...	35	70	...	...	...	...	35	70	
Toungoo	Kanyin-oil	Viss	...	...	3,500	280	...	...	...	...	3,500	280	
	Thitsi	„	...	...	1,500	100	...	...	...	...	1,500	100	
	Cutch	„	...	...	4,500	180	...	...	...	...	4,500	180	
	Pwenyet (wax)	„	..	...	30	6	...	...	...	...	30	6	
Shwegyin ...	Wood-oil	Viss	..	...	235	94	...	...	...	..	235	94	
Western	Cutch	Viss	...	...	28,000	1,120	...	...	...	...	28,000	1,120	
	Wood-oil	„	...	...	6	2	...	...	...	...	6	2	
	Total ..		...	...	...	112,142	...	...	...	...	...	112,142	
	Grand total Pegu circle ...		..	...	..	123,058	...	4	...	...	...	123,062	

ANNUAL FORM No. 56 [PRESCRIBED].—*Account of Timber and other Produce Cut or Collected by Government Agency and brought to Sale Depôts or Sold locally in the Tenasserim Circle during 1886-87.*

Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	TOTAL OF EACH HEAD. Cubic feet.
TENASSERIM CIRCLE.				
TIMBER.				
Balance at the commencement of the year.				
Salween Division. Pyinma logs ...	12	397		
Salween Division. Ingyin logs	14	529		
Salween Division. Pyinkado sleepers, small	238	275		
Salween Division. Thitya sleepers	8	27		
Salween Division. Teak scantlings, tons	15	775		
Salween Division. Pyinma scantlings ...	4	219		
			291	2,222
East Salween Division. Padauk logs ...	88	1,443		
East Salween Division. Thitkado logs ..	5	255		
East Salween Division. Thitka logs ...	6	217		
East Salween Division. Thingan boat-hulls	3	266		
			102	2,181
West Salween Division. Teak logs, Upper Salween.	1	46		
West Salween Division. Pyinma logs ...	43	1,978		
West Salween Division. Pyinkado sleepers ...	140	485		
			184	2,509
Attaran Division. Padauk logs and pieces	220	3,860		
Attaran Division. Pyinma logs ...	7	166		
Attaran Division. Ingyin logs ..	26	796		
Attaran Division. Thitka logs ...	6	330		
Attaran Division. Sit logs ...	6	115		
Attaran Division. Yamanè logs ...	14	529		
Attaran Division. Thitya logs ...	7	268		
Attaran Division. Petwun logs ...	18	371		
Attaran Division. Thingan logs ...	108	4,905		
Attaran Division. Padauk planks, tons ...	1	52		
			413	11,302
South Tenasserim Division. Thitka logs	25	1,653		
South Tenasserim Division. Anan logs	10	316		
South Tenasserim Division. Kamaung logs ...	49	2,775		
South Tenasserim Division. Thingan logs ...	77	3,446		
South Tenasserim Division. Padauk logs ...	38	3,451		
South Tenasserim Division. Tagu logs	1	20		
South Tenasserim Division. Thitshu logs ...	1	56		
South Tenasserim Division. Teak logs ...	4	216		
South Tenasserim Division. Scantlings 5½ inches by 2½ inches by 15 inches	13	26		
South Tenasserim Division. Scantlings 5 inches by 2½ inches by 10 inches	20	17		
South Tenasserim Division. Scantlings 4½ inches by 4 inches.	7	352		
South Tenasserim Division. Sleepers, small ..	375	600		
South Tenasserim Division. Sleepers, large ...	1,286	4,181		
			1,906	17,100
Kado Division. Drift timber ...	2,075	70,013		
Kado Division. Foreign teak ...	60,089	3,054,110		
Kado Division. Foreign woods, other kinds.	56	2,195		
Kado Division. British teak ...	2,014	25,900		
Kado Division. British woods, other kinds.	51	3,025		
			65,185	3,155,243
Total Balance ...	.	...	68,081	3,190,656
Received from the Forests on Depôts.				
Teak logs, pieces, and crooks	24,591	733,956		
Padauk logs	341	17,888		
Ingyin logs	86	3,553		
Thitka logs	185	10,451		
Pyinma logs ...	297	14,156		
Pyinkado posts	67	591		
Thingan boat-hulls ...	1	92		
Drift: Teak logs ...	12	717		
Drift: Kayit logs ..	1	21		
Drift: Yamane logs .	2	115		
Drift: Tharapi logs ...	1	128		
Drift: Karawe logs ..	1	25		
Drift: Thayetlè logs ...	1	40		
Drift: Thingan logs ...	1	24		
Drift: Kyèsè logs	1	135		
Scantlings 5½ inches by 3½ inches.	376	1,063		
Sleepers, large	6,053	21,364		
			32,017	804,317
Carried over ...	...	...	100,098	3,994,973

Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	TOTAL OF EACH HEAD. Cubic feet.
TENASSERIM CIRCLE.				
TIMBER.				
Removed by Purchasers from Depôts.				
Teak logs, pieces, and crooks	23,847	706,659		
Padauk logs	293	9,903		
Ingyin logs	59	2,501		
Thitka logs	107	6,903		
Pyinma logs	311	14,851		
Pyinkado posts	60	510		
Thingan boat-hulls .	1	92		
Padauk log-ends ..	24			
Woods other kinds ...	56	3,119		
Anan logs	2	52		
Thingan logs	22	1,055		
Drift: Teak logs ..	3,304	124,707		
Drift: Kyèsè logs ..	1	135		
Scantlings 5½ inches by 3½ inches.	376	1,063		
Sleepers, large	5,954	20,668		
			34,427	891,708
Number of logs cleared up to date on payment of duty from Depôts.				
Foreign teak	140,029	6,300,000		
Foreign woods, other kinds	46	1,840		
British teak ...	4,327	60,674		
British woods, other kinds	333	16,525		
			144,735	6,379,039
Number of drift logs delivered to claimants on payment of salvage.	1,978	72,060	1,978	72,060
Sold locally.				
Padauk log	1	113		
Thingan boat-hulls ...	6	120		
			7	233
Converted in Depôts.				
Drift teak logs	6	200	6	200
Used by the Department.				
Drift teak logs	23	460		
Teak scantlings, tons ...	8	401		
			31	861
Transferred to the Attaran Division.				
Drift teak logs	6	200	6	200
Balance at close of the year.				
Attaran Division. Padauk logs and pieces	245	9,853		
Attaran Division. Ingyin logs ...	40	1,213		
Attaran Division. Pyinma logs ...	7	166		
Attaran Division. Thitka logs ...	6	330		
Attaran Division. Sit logs . ..	6	115		
Attaran Division. Yamanè logs ...	14	529		
Attaran Division. Thitya logs ...	7	268		
Attaran Division. Petwun logs ...	18	371		
Attaran Division. Thingan logs ...	108	4,905		
Attaran Division. Padauk planks, tons	1	52		
Attaran Division. Teak scantlings, tons	10	534		
Attaran Division. Pyinma scantlings, tons.	4	219		
Attaran Division. Thitya sleepers ...	8	27		
			474	18,582
Teak logs and pieces ...	745	27,843		
Padauk logs	111	3,943		
Carried over ...	..	...	161,604	7,362,883

ANNUAL FORM No. 56 [PRESCRIBED].—*Account of Timber and other Produce Cut or Collected by Government Agency, &c.*—(continued).

Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	Cubic feet.	Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	Cubic feet.
TENASSERIM CIRCLE—concluded.					TENASSERIM CIRCLE—concluded.				
Brought forward ...	...	...	100,008	3,994,973	Brought forward ...	...	...	181,604	7,362,883
Number of Logs entered during 1886-87.					*Balance at close of the year—concluded.*				
Foreign teak	154,120	7,047,400			East Salween Division. Ingyin logs ...	13	635		
Foreign woods, other kinds	55	2,200			Thitka logs ...	6	217		
British teak ...	2,795	45,800			Thitkado logs ...	5	255		
British woods, other kinds	343	16,960			Pyinma logs ...	12	492		
Number of drift logs brought to depot.	8,690	309,029			Pyinkado posts ...	7	81		
			166,082	7,421,389	Thingan boat-hulls	3	266		
								902	32,032
Received from the Forests and Sold Locally.					West Salween Division. Ingyin logs ...	14	529		
					Pyinma logs ...	29	1,188		
					Thitka logs ...	80	4,073		
					Pyinkado sleepers, large.	140	485		
					Pyinma sleepers, small.	238	275		
Padauk	1	113						507	7,150
Thingan boat hulls ...	6	120	7	233	South Tenasserim Division. Thitka logs ...	17	1,128		
					Anan logs ...	8	264		
					Thingan logs ...	55	2,201		
					Kamaung logs ...	49	2,775		
Received by conversion in Depôts.					Padauk logs ...	38	3,451		
					Drift: Tagu logs ...	1	20		
					Teak logs ...	6	266		
					Thitshu logs...	1	56		
					Kasit logs ...	1	21		
Teak scantlings (tons) ...	3	160			Yamane logs	2	115		
Padauk log ends ...	24	...			Tharapi logs. .	1	128		
			27	160	Karawè logs ...	1	25		
					Thayetle logs	1	40		
					Thingan logs	1	24		
Received by transfer from Kado Revenue Division.					Scantlings 5½ inches by 2½ inches by 15 inches.	13	26		
					Scantlings 5 inches by 2½ inches by 10 inches.	20	17		
Drift teak logs	6	200			Scantlings 6½ inches by 4 inches	7	352		
			6	200	Sleepers, large ...	1,385	4,877		
					Sleepers, small ...	375	600		
								1,982	16,576
					Kado Division. Drift timber ..	5,407	179,163		
					Foreign teak ...	74,250	3,801,510		
					Foreign woods, other kinds.	65	2,535		
					British teak ...	1,382	11,026		
					British woods, other kinds.	61	3,460		
								81,165	3,997,714
GRAND TOTAL ...	...	...	266,220	11,416,955	GRAND TOTAL ...	...	...	266,220	11,416,955
PEGU CIRCLE.					PEGU CIRCLE.				
Prome—					*Removed by Purchasers from Depôt.*				
Teak logs	342	14,022							
Teak posts	632	20,800							
Teak drift logs ...	30	1,200							
Teak drift squares ...	4	100			Teak logs	29,030	1,217,760		
Teak drift scantlings ...	31	46			Logs other than teak ...	3,425	147,395		
			1,239	36,168	Pyinkado sleepers ...	4,389	6,254		
					Pyinkado slabs	2,560	...		
					Scantlings other than teak	90	140		
Tharrawaddy—					Teak drift logs	606	23,340		
Teak paddy-field logs ...	10,990	375,568			Drift logs other than teak	131	4,585		
Teak planks	921	..						40,231	1,399,414
Confiscated teak logs ...	5	230							
Confiscated teak scantlings.	9	8			*Sold locally.*				
Confiscated logs other than teak.	12	420							
			11,937	376,226					
					Teak logs	1,741	73,112		
					Confiscated teak logs ...	2	94		
					Teak refuse logs ...	610	20,250		
Rangoon—					Teak posts	632	20,800		
Teak refuse logs ...	164	4,100			Teak paddy-field logs ...	14,223	484,892		
Logs other than teak ...	14	390			Logs other than teak ...	1	39		
			178	4,490	Teak drift logs	440	17,160		
					Confiscated teak planks ...	115	...		
					Teak drift ends... ...	3	...		
Toungoo—					Logs other than teak ...	310	10,850		
Teak logs	20	920			Confiscated planks other than teak.	25	...		
Logs other than teak ...	90	3,330			Confiscated padauk pieces	68	.		
Teak drift logs ...	117	4,680							
			227	8,930				18,570	627,187
Carried over ...	...	...	13,481	425,714	Carried over ...	...	...	58,801	2,026,601

ANNUAL FORM No. 56 [PRESCRIBED].—*Account of Timber and other Produce Cut or Collected by Government Agency, &c.*—(concluded).

Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	Cubic feet.
PEGU CIRCLE—concld.				
Brought forward ...	...	...	13,481	425,714
Shwegyin—				
Teak drift logs ...	336	13,440		
Drift logs other than teak.	337	11,795	673	25,235
Western—				
Logs other than teak ...	102	3,570		
Pyinkado sleepers ...	4,849	7,273		
Pyinkado slabs and ends	5,316	...		
Teak drift logs ...	119	4,760	10,386	15,603
Agency—				
Teak logs	24,822	1,038,281		
Logs other than teak ...	99	5,544		
Teak sleepers ...	54	81		
Teak drift logs ...	46	2,070		
Drift logs other than teak.	1	41	25,022	1,046,017
			49,562	1,512,569
Received from Forests by extraction.				
Teak logs	23,309	1,005,459		
Teak refuse logs ...	2,875	71,875		
Logs other than teak ...	236	10,188	26,420	1,087,522
Received from Forests and disposed of locally.				
Teak logs	1,404	58,909		
Teak refuse logs... ...	648	16,200		
Teak paddy-field logs ...	7,905	270,075		
Logs other than teak ...	1	39	9,958	345,223
Drift collected in various divisions during the year.				
Teak drift logs	11,189	437,565		
Confiscated teak logs ...	2	79		
Teak drift squares ...	43	1,075		
Teak drift ends	3	...		
Confiscated teak planks ...	115	...		
Logs other than teak ...	183	6,425		
Confiscated logs other than teak.	285	9,995		
Confiscated planks other than teak.	25	...		
Confiscated padauk pieces...	68	...	11,913	455,139
Received into Depôts from Forests.				
Teak logs	29,079	1,221,620		
Logs other than teak ...	3,295	137,350		
Scantlings other than teak	90	140	32,464	1,359,110
Collected by Agency.				
Sleepers other than teak ...	1,262	1,682		
Teak drift logs	1,305	50,845		
Drift logs other than teak...	26	924	2,593	53,451
GRAND TOTAL			132,910	4,813,074

Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	Cubic feet.
PEGU CIRCLE—concld.				
Brought forward ...	...	...	58,801	2,026,601
Used, lost, drifted, &c.				
Teak logs	10	420		
Logs other than teak ...	8	344		
Teak drift logs	203	10,157		
Teak drift squares ...	1	25		
Teak drift scantlings ...	6	8		
Drift logs other than teak	285	9,975	573	20,929
Return to Claimants.				
Teak drift logs	11,137	435,330		
Teak squares	37	925		
Logs other than teak ...	79	2,765	11,253	439,026
Transferred to Depôt.				
Teak logs	23,264	1,003,077		
Teak paddy-field logs ...	402	14,268		
Teak refuse logs ...	2,877	71,985		
Logs other than teak ...	236	5,784		
Drift logs other than teak	11	385	26,790	1,095,499
Closing balance.				
Prome—				
Teak logs	8	336		
Teak drift logs ...	304	11,756		
Teak drift squares ...	9	225		
Teak drift scantlings ...	25	38	346	12,355
Tharrawaddy—				
Teak paddy-field logs ...	4,170	146,501		
Teak planks	921	...		
Confiscated teak logs ...	5	230		
Confiscated teak scantlings.	9	8		
Confiscated logs other than teak.	12	420	5,117	147,159
Rangoon—				
Teak drift logs ...	6	229		
Drift logs other than teak.	3	105	9	334
Toungoo—				
Teak logs	50	2,100		
Thitka logs	46	1,978		
Pyinma logs... ...	36	1,548		
Teak drift logs ...	138	5,182	270	10,808
Shwegyin—				
Teak drift logs ...	60	2,140		
Logs other than teak ...	22	770	82	2,910
Western—				
Pyinkado logs ...	31	1,333		
Kanyin logs	5	215		
In logs	3	129		
Thabye logs	17	731		
Pyinkado sleepers ...	1,722	2,701		
Pyinkado slabs and ends	2,756	...		
Teak drift logs ...	121	4,719	4,655	9,828
Agency—				
Teak logs	24,871	1,044,062		
Logs other than teak ...	15	651		
Teak sleepers ...	54	81		
Teak drift logs ...	69	2,696		
Drift logs other than teak.	5	175	25,014	1,047,625
GRAND TOTAL			132,910	4,813,074

ANNUAL FORM No. 56A.—*Account of Timber and other Produce Cut or Collected by Government Agency and brought to Sale Depôts or Sold locally during 1886-87.*

Particulars.	TENASSERIM CIRCLE.		PEGU CIRCLE.		TOTAL OF EACH HEAD	
	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.
Opening balance ...	68,081	3,190,656	49,562	1,512,569	117,643	4,703,225
RECEIVED FROM FORESTS IN DEPÔTS.						
Teak logs pieces, &c.	24,591	733,956	29,079	1,221,620	53,670	1,955,576
Logs other than teak	909	46,046	3,295	137,350	4,204	183,396
Scantlings do.			90	140	90	140
Pyinkado posts	67	591	..	..	67	591
Thingan boat-hulls	1	92	...	...	1	92
Teak drift logs	12	717	...	...	12	717
Drift logs other than teak	8	488	...	...	8	488
Scantlings 5¼ by 3¾	376	1,063	...	...	376	1,063
Sleepers, large	6,053	21,364	...	...	6,053	21,364
Total ...	32,017	804,317	32,464	1,359,110	64,481	2,163,427
RECEIVED FROM FORESTS BY EXTRACTION						
Teak logs	...	...	23,309	1,005,459	23,309	1,005,459
Refuse teak logs	...	...	2,875	71,875	2,875	71,875
Logs other than teak	...	.	236	10,188	236	10,188
Total ...	...	...	26,420	1,087,522	26,420	1,087,522
RECEIVED FROM FORESTS AND SOLD LOCALLY.						
Teak logs	...	...	1,404	58,969	1,404	58,969
Do. refuse logs	...	...	648	16,200	648	16,200
Do paddy-field logs	...	...	7,905	270,075	7,905	270,075
Logs other than teak...	1	113	1	39	2	152
Thingan boat-hulls	6	120	...	...	6	120
Total ...	7	233	9,958	345,283	9,965	345,516

Particulars.	TENASSERIM CIRCLE.		PEGU CIRCLE.		TOTAL OF EACH HEAD.	
	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.
REMOVED BY PURCHASERS FROM DEPÔTS.						
Teak logs, pieces, &c.	23,847	706,659	29,080	1,217,760	52,877	1,924,419
Logs other than teak	860	37,874	3,425	147,335	4,285	185,209
Pyinkado sleepers	...	...	4,389	6,254	4,389	6,254
Do. slabs	...	...	2,560	...	2,560	...
Scantlings other than teak	..	...	90	140	90	140
Teak drift logs	3,304	124,707	606	23,340	3,910	148,047
Drift logs other than teak	1	135	131	4,585	132	4,720
Pyinkado posts	60	510	...	...	60	510
Thingan boat-hulls...	1	92	...	...	1	92
Padauk log-ends	24	...	...	...	24	...
Scantlings 5¼ by 3¾	376	1,063	...	...	376	1,063
Sleepers, large	5,954	20,668	...	...	5,954	20,668
Total ...	34,427	891,708	40,231	1,399,414	74,658	2,291,122
SOLD LOCALLY.						
Teak logs	..	...	1,741	73,112	1,741	73,112
Confiscated teak logs	.	...	2	94	2	94
Teak refuse logs	...	...	810	20,250	810	20,250
Teak posts	...	..	832	20,800	832	20,800
Teak paddy-field logs	...	...	14,223	484,982	14,223	484,982
Logs other than teak	1	113	1	39	2	152
Teak drift logs	...	...	440	17,160	440	17,160
Confiscated teak planks	...	...	115	...	115	...
Teak drift ends	...	...	3	..	3	...
Logs other than teak	...	...	310	10,850	310	10,850
Confiscated planks other than teak ...	...	...	25	...	25	...
Do. padauk pieces	..	...	68	...	68	...
Thingan boat-hulls	6	120	...	...	6	120
Total .	7	233	18,570	627,187	18,577	627,420
USED, LOST, DRIFTED, &c.						
Teak logs	...	...	10	420	10	420
Logs other than teak	...	...	8	344	8	344
Teak drift logs	23	460	263	10,157	286	10,617
Do. squares	...	...	1	25	1	25
Do. scantlings	...	...	6	8	6	8
Drift logs other than teak	...	..	285	9,975	285	9,975
Teak scantlings (tons)	8	401	...	...	8	401
Total ..	31	861	573	20,929	604	21,790

Received by conversion in depôts.								**Returned to claimants.**									
Teak scantlings (tons)	3	160	...	...	3	160		Teak drift logs	...	...	11,137	435,336	11,137	435,336
Padauk log-ends	24	...	...	...	24	...		Ditto squares	...	...	37	925	37	925
								Drift logs other than teak	...	...	79	2,765	79	2,765
Total ...	27	160	...	...	27	160		Number of logs	1,978	72,060	...	...	1,978	72,060
								Total ...	1,978	72,060	11,253	439,026	13,231	511,086
Number of logs entered during 1886-87.								**Transferred to depôt.**						
Foreign teak	154,190	7,047,400	...	...	154,190	7,047,400		Teak logs	...	...	23,264	1,003,077	23,264	1,003,077
Foreign woods other than teak	55	2,200	...	...	55	2,200		Do. paddy-field logs	...	...	402	14,268	402	14,268
British teak	2,795	45,800	...	...	2,795	45,800		Do. refuse logs	...	...	2,877	71,985	2,877	71,985
British woods other than teak	343	16,960	...	...	343	16,960		Logs other than teak	...	...	236	5,784	236	5,784
Drift logs brought to depôt	8,699	309,029	...	...	8,699	309,029		Drift logs other than teak	...	...	11	385	11	385
								Total ...	...	...	26,790	1,095,499	26,790	1,095,499
Total ...	166,062	7,421,389	...	...	166,062	7,421,389		**Transferred to Attaran Division.**						
								Teak drift logs	6	200	...	...	6	200
Received by transfer from Kado revenue station.								**Number cleared on payment of duty.**						
Drift teak logs	6	200	...	...	6	200		Foreign teak	140,029	6,300,000	...	...	140,029	6,300,000
								Foreign woods other than teak ...	46	1,840	...	...	46	1,840
Drift collected in various divisions, &c.								British teak	4,327	60,674	...	...	4,327	60,674
								British woods other than teak ...	333	16,525	...	...	333	16,525
Teak drift logs	...	...	11,189	437,565	11,189	437,565		Total ...	144,735	6,379,039	...	...	144,735	6,379,039
Confiscated teak logs	...	...	2	79	2	79		**Converted in depôt.**						
Confiscated teak squares	...	...	43	1,075	43	1,075		Teak drift logs	6	200	...	...	6	200
Drift teak ends	...	...	3	...	3	...								
Confiscated teak planks	...	...	115	...	115	...		**Balance at close of year.**						
Drift logs other than teak	...	...	183	6,425	183	6,425		Foreign teak	74,250	3,801,510	...	...	74,250	3,801,510
Confiscated logs other than teak ...	...	...	285	9,995	285	9,995		Foreign other than teak	65	2,555	...	...	65	2,555
Confiscated planks other than teak ...	...	...	25	...	25	...		British teak	1,382	11,026	...	...	1,382	11,026
Confiscated pieces other than teak ...	...	...	68	...	68	...		Teak logs	745	27,343	24,929	1,046,518	25,674	1,073,861
Total ...	...	...	11,913	455,139	11,913	455,139		Teak sleepers	1,760	5,477	54	81	1,814	5,558
								Teak planks	...	...	921	...	921	...
Collected by agency.								Do. scantlings	10	394	...	...	10	534
								Do. paddy-field logs	...	...	4,170	146,501	4,170	146,501
Sleepers other than teak	...	...	1,262	1,682	1,262	1,682		Logs other than teak	894	39,091	153	6,585	1,047	45,676
Teak drift logs	...	...	1,305	50,845	1,305	50,845		Posts ditto	7	81	...	...	7	81
Logs other than teak	...	...	26	924	26	924		British logs ditto	61	3,460	...	...	61	3,460
								Sleepers ditto	386	787	1,722	2,701	2,108	3,488
Total ...	...	...	2,593	53,451	2,593	53,451		Slabs and ends other than teak ...	...	...	2,756	...	2,756	...
								Scantlings ditto ...	4	219	...	...	4	219
Grand Total ...	266,230	11,416,955	132,910	4,813,074	399,130	16,230,029		Planks ditto ...	1	52	...	...	1	52
								Teak drift logs	6	266	703	26,892	709	27,158
								Do. squares	...	...	9	225	9	225
								Do. scantlings	...	...	34	46	34	46
								Drift logs other than teak	9	429	42	1,470	51	1,899
								Drift timber	5,407	179,163	...	...	5,407	179,163
								Scantlings	40	395	...	...	40	395
								Thingan boat-hulls	3	266	...	...	3	266
								Total ...	85,030	4,072,654	35,493	1,231,019	120,523	5,303,673
								Grand Total ...	266,230	11,416,955	132,910	4,813,074	399,130	16,230,029

FORM No. 57 [PRESCRIBED].—*Abstract showing the Value of Timber and other Produce at Sale Depôts for the year 1886-87.*

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year			Difference in value.		Remarks.
	Number.	Cubic feet.	Value.	Number	Cubic feet.	Value.	In favour of the year.	Against the year	
Timber.									
Logs, teak	1	46	Rs. 36	745	27,343	Rs 10,430	Rs 10,394	Rs.	
Drift logs, teak	2,075	70,013	16,600	5,413	179,429	38,089	21,489	....	
Logs (woods, other kinds)	788	28,358	14,613	913	39,977	16,341	1,728	....	
Sleepers	2,047	5,568	5,571	2,146	6,264	5,531	.....	40	
Scantlings	60	1,441	1,091	55	1,200	1,008	.....	83	
Foreign teak	60,089	3,054,110	12,01,780	74,250	3,801,510	13,35,500	1,33,720	....	
Foreign woods (other kinds)	56	2,195	560	65	2,555	1,300	740	.....	
British teak (leased forests)	2,914	25,900	14,570	1,392	11,026	5,528	....	9,042	
British woods (other kinds leased forests)	51	3,025	510	61	3,460	488	....	22	
Total Tenasserim Circle	68,081	3,190,656	12,55,331	85,030	4,072,744	14,14,215	1,58,884	....	
Timber.									
Teak logs	25,184	1,049,423	5,35,435	24,929	1,046,518	6,87,225	1,51,790	...	
Do. paddy-field	10,890	379,268	43,560	4,170	146,501	19,073	.....	24,487	
Do. refuse	164	4,100	1,457	.....	.....	...	.....	1,457	
Do. posts	832	20,800	2,496	.....	.....	.....	....	2,496	
Do. sleepers	54	81	27	54	81	27	.....	.....	
Do. scantling	9	8	8	....	.....	....	....	8	
Do. planks	921	...	194	921	.....	194	....	.....	
Logs other than teak	291	12,444	6,916	153	6,585	1,377	.....	5,539	
Do sleepers	4,849	7,273	7,273	1,722	2,701	1,722	....	5,551	
Do. slabs and ends	5,316	.....	150	2,756	...	70	.....	80	
Teak drift logs	657	26,490	16,425	703	26,892	16,872	447	.....	
Do. squares	....	.....	.....	9	225	216	216	.....	
Do. scantlings	31	46	62	34	46	18	.....	44	
Drift logs other than teak	364	12,646	4,368	42	1,470	336	.....	4,032	
Total Pegu Circle	49,562	1,512,569	6,18,371	35,493	1,231,019	7,27,130	1,08,759	.....	

Net difference for the year, Rs. 2,67,643.

FORM No. 57A.—*Abstract showing the Value of Live and Dead Stock for the year 1886-87.*

Description of live or dead stock.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
			Rs.			Rs.	Rs.	Rs.	
Live stock	7	...	7,500	8	...	8,500	1,000	...	
Buildings	24	...	25,327	24	...	22,795	...	2,532	
Dead stock	...	...	18,366	...	...	16,990	...	1,376	
Total Tenasserim Circle ...	...	...	51,193	...	...	48,285	...	2,908	
Live stock	36	...	46,000	33	...	43,300	...	2,700	
Buildings	51	...	61,600	40	...	60,300	...	1,300	
Dead stock	...	...	28,600	...	...	28,760	160	...	
Total Pegu Circle ..	...	...	1,36,200	...	...	1,32,360	...	3,840	
GRAND TOTAL LOWER BURMA ...	...	...	1,87,393	...	..	1,80,645	...	6,748	

Net difference against the year Rs 6,748.

FORM No. 58 [PRESCRIBED].—*Summary of Revenue of the different Divisions during 1886-87.*

Budget heads—Receipts.	Akyab division.	Kaladan revenue station division.	South Tenasserim division.	Total Tenasserim circle.	Government timber depôt and agency office division.	Rangoon division.	Thayetmyo division.	Prome division.	Western division.	Toungoo division.	Shwegyin division.	Mandalay division.	Total Pegu circle	Grand Total.
	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—														
a Timber	3,56,876	...	21,323	3,78,199	10,60,609	28,963	53,601	10,856	50,245	1,071	9,058	...	12,14,493	15,92,692
b Firewood and charcoal	...	..	...	...	..	...	...	7	...	...	...	...	7	7
c Bamboos	...	..	...	...	...	...	...	...	...	...	...	...	...	...
d Sandal-wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e Grass and other minor produce	334	...	..	334	...	98	...	...	...	...	...	...	98	432
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—														
a Timber	15,044	91	12,436	27,571	4,961	21,843	6,465	13,169	12,593	14,517	23,634	...	97,182	1,24,753
b Firewood and charcoal	31	4	16	51	...	411	122	208	93	36	80	...	950	1,001
c Bamboos	...	...	2	2	...	1,889	1,257	20	...	52	.	...	3,217	3,219
d Grazing and fodder grass	...	...	...	...	...	91	65	...	..	...	...	...	156	156
e Other minor produce	156	12	1,567	1,755	..	441	19,572	97,790	1,122	605	94	1,100	1,20,784	1,22,539
III.—CONFISCATED DRIFT AND WAIF WOOD	...	53,565	426	53,991	4,672	206	...	4,904	8,574	12,338	20,995	6,974	58,663	1,12,654
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—														
a Duty on foreign timber and other forest produce	...	21,959	...	21,959	50,000	...	...	2,560	...	...	...	50,000	1,02,560	1,24,519
b Revenue from shared and private forests	...	...	...	...	...	...	...	...	...	...	...	...	...	...
V.—MISCELLANEOUS—														
a Fines and forfeitures	3,507	851	71	4,429	..	175	797	1,119	...	647	409	...	3,147	7,576
b Refunds	28	14	...	42	3	1	37	...	..	...	...	...	41	83
c Other sources	165	12,354	440	12,979	1,185	961	770	616	49	1,073	177	...	4,131	17,110
Total ...	3,76,161	88,850	36,301	5,01,312	11,21,430	54,378	82,776	1,31,249	72,676	30,399	54,447	58,074	16,05,429	21,06,741

J. TAYLOR,
Assistant Comptroller-General (Forests).

FORM No. 58 [PRESCRIBED].—*Summary of Expenditure of the different Divisions during 1886-87.*

Budget heads.	Ataran division.	Kado revenue station division.	South Tenasserim division.	Total Tenasserim circle.	Government timber depôt and agency office division.	Rangoon division.	Tharrawaddy division.	Prome division.	Western division.	Toungoo division.	Shwegyin division.	Mandalay division.	Total Pegu circle.	Grand Total.
A.—CONSERVANCY AND WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—														
a Timber	2,59,002	...	18,563	2,77,565	14,377	74,246	1,35,978	25,617	32,656	75,334	5,581	268	3,64,057	6,41,622
b Firewood and charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...
c Bamboos	...	...	...	...	...	...	...	...	...	...	...	...	...	...
d Sandal-wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e Grass and other minor produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.	171	70	...	241	3	2,705	912	1,842	1,709	11	...	...	7,182	7,423
III.—CONFISCATED, DRIFT, AND WASTE WOOD	...	28,558	194	28,752	1,342	1,790	...	2,943	2,105	6,710	12,129	181	27,200	55,952
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—														
a Duty on foreign timber and other forest produce	59	7,337	...	7,396	...	...	...	...	...	...	...	...	...	7,396
b Revenue from shared and private forests	...	...	...	...	...	...	...	...	...	...	...	...	...	...
V.—RENT OF LEASED FORESTS, AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VI.—LIVE-STOCK, STORES, TOOLS, AND PLANT—														
a Purchase of cattle	900	...	...	900	...	...	...	...	...	1,070	...	...	1,070	1,970
b Feed and keep of cattle	2,982	...	...	2,982	9,503	774	2,025	625	1,356	979	630	...	15,992	18,974
c Stores, tools and plant	1,600	430	87	2,117	2,178	506	358	238	102	139	283	35	3,829	5,946
VII.—COMMUNICATIONS AND BUILDINGS—														
a Roads and bridges	...	...	...	...	347	...	...	...	...	...	...	...	347	347
b Buildings	174	275	5	454	1,997	343	1,002	295	19	598	3,046	...	7,300	7,754
c Other works	...	58	1	59	11	29	3,417	...	...	28	...	...	3,485	3,544
VIII.—DEMARCATION, IMPROVEMENT, AND EXTENSION OF FORESTS—														
a Demarcation	725	21	9	755	...	195	46	109	...	389	50	...	789	1,544
b Compensation for land and rights	...	25	...	25	...	...	...	...	...	...	...	...	...	25
c Surveys and working plans	47	...	...	47	600	34	367	...	...	...	...	...	1,001	1,048
d Plantations	4,764	...	1,113	5,977	...	3,692	13,693	2,278	...	953	...	...	20,606	26,483
e Protection from fire	4,078	...	...	4,078	...	2,784	4,626	592	...	1,304	...	...	9,506	13,584
f Other works	...	...	158	158	...	68	111	5	...	58	...	...	242	400
IX.—MISCELLANEOUS—														
a Refunds	10	30	5	45	...	5,082	142	...	...	...	...	...	5,224	5,269
b Law charges	17	193	19	229	...	...	6	21	75	...	2	...	104	333
c Other charges	541	61	29	631	335	303	1,484	113	..	257	86	...	2,578	3,209
Total A.—Conservancy and Works	2,75,070	37,058	20,183	3,32,311	30,693	92,541	1,64,367	34,678	38,022	87,820	21,807	484	4,70,412	8,02,723
B.—ESTABLISHMENTS.														
I.—SALARIES—														
a Conservators	18,000	...	...	18,000	12,000	...	...	...	...	...	...	...	12,000	30,000
b Superior officers'	16,523	4,506	7,855	28,884	19,452	9,034	6,535	6,600	8,740	9,500	7,723	900	68,484	97,368
c Subordinate forest and depôt establishments	6,456	7,294	2,522	16,272	9,363	6,618	10,042	5,214	3,563	5,063	3,530	250	43,943	60,105
d Office establishments	9,616	5,843	1,732	17,191	16,978	3,845	3,735	1,867	1,416	2,341	1,347	...	31,529	48,720
e Deputation and special allowances	...	...	...	...	...	...	...	...	...	...	...	...	...	...
II.—TRAVELLING ALLOWANCES—														
a Conservators	1,553	...	...	1,553	2,890	...	...	...	...	...	...	...	2,890	4,443
b Superior officers	2,203	727	968	3,898	1,605	2,252	1,951	964	2,146	2,076	1,995	343	13,332	17,230
c Subordinate forest and depôt establishments	681	423	108	1,412	1,093	1,193	1,433	737	898	415	946	202	6,917	8,329
d Office establishments	45	9	32	79	268	176	236	185	225	63	77	...	1,252	1,331
III.—CONTINGENCIES—														
a Stationery	...	...	...	...	70	3	20	...	...	...	...	...	93	93
b Carriage of tents and records	...	...	...	...	...	35	24	...	...	...	3	...	62	62
c Rents, rates, and taxes	45	29	...	74	2,853	5	68	59	...	23	...	...	3,008	3,082
d Pay of police guards	...	...	...	...	...	...	...	...	...	...	4	...	4	4
e Official postage	107	76	26	209	269	215	127	102	78	25	20	8	844	1,053
f Sundries	575	137	70	782	789	286	799	453	276	66	23	1	2,603	3,475
Total B.—Establishments	56,004	19,027	13,313	88,344	67,630	23,862	24,972	16,181	17,342	19,592	15,668	1,704	1,86,951	2,75,295
GRAND TOTAL OF EXPENDITURE	3,31,074	56,085	33,496	4,20,655	98,323	1,16,403	1,89,339	50,859	55,364	1,07,412	37,475	2,188	6,57,363	10,78,018

J. TAYLOR,
Assistant Comptroller-General (Forests).

APPENDICES.

XXIX.

Dr. ANNUAL FORM No. 59 [PRESCRIBED].—*Account Current for the year 1886-87.* *Cr.*

TENASSERIM CIRCLE.	Rs A. P.	Rs. A. P	TENASSERIM CIRCLE.	Rs. A. P	Rs A. P.
To cash balance	.....	587 12 0	By Expenditure as per Annual Summary, Form No. 58	.....	4,20,655 10 3
Revenue as per Annual Summary, Form No. 58	.....	5,01,311 14 11	*By Forest Cash Remittances (local)*—		
To Service Funds—			Remittances to treasuries	4,43,102 2 2	
Military Fund, Madras	537 9 0		Inter-divisional transfers	58 0 0	
Uncovenanted Service Family Pension Fund, Bengal	1,293 9 0	1,831 2 0			4,43,160 2 2
To Forest Cash Remittances (local)—			By Advances recoverable	.....	1,24,458 1 6
Forest cheques drawn	3,58,556 9 8		*By Account Current (other Governments)*—		
Inter-divisional transfers	58 0 0	3,58,614 9 8	Government of India	1,433 0 3	
To Advances recoverable	.....	1,84,937 11 10	Do, Bengal	82 0 0	1,515 0 3
To INTER-DEPARTMENTAL TRANSFERS.	.....		*By Inter-departmental transfers*—		
To Civil Department—	.....		Public Works Department, other branches	132 8 0	
Jail	471 5 0		Military Department, Madras	35,461 8 6	
Law and Justice	20 0 0		Ditto, Bombay..	13 348 2 6	48,942 3 0
Miscellaneous	6 12 0		*By Civil Department*—		
Mathematical Instrument Department	111 8 0		Jail	7,125 1 6	
		609 9 0	Miscellaneous	711 8 0	
			Telegraph Department	297 0 0	8,133 9 6
			By Cash balance	.....	1,028 0 9
Total Tenasserim ...	... .	10,47,892 11 5	Total Tenasserim ...	... .	10,47,892 11 5

J. TAYLOR,
Assistant Comptroller-General (Forests).

Dr. ANNUAL FORM No. 59 [PRESCRIBED].—*Account-current for the year 1886-87.* *Cr.*

PEGU CIRCLE.	Rs. A. P.	Rs. A. P.	PEGU CIRCLE.	Rs. A. P.	Rs. A. P.
To Opening balance	.....	1,495 15 10	By Expenditure as per Annual Form No. 58.	..	6,57,362 2 10
„ VIII—Assessed taxes	.....	46 9 10	*By Forest Cash Remittances (local)*—		
„ Revenue as per Annual Form No. 58	.....	16,05,428 11 6	Remittances to treasuries	14,39,324 8 0	
To Service Funds—			Inter-divisional transfers	56,712 10 4	14,96,037 2 4
Uncovenanted Service Family Pension Fund, Bengal ...	.....	945 12 0	By Advances recoverable	.....	2,61,135 14 2
To Forest Cash Remittances (local)—			„ Suspense	.....	39 4 6
Forest cheques drawn	6,39,256 6 2		*By Account-current (other Governments)*—		
Inter-divisional transfers	57,483 14 4	6,96,742 4 6	Government of India	28,209 15 2	
To Advances recoverable	.....	2,74,816 11 11	Government of Madras	96,559 15 3	
Suspense	.....	6 9 6	Government of Bengal	97 13 0	1,24,866 11 5
To Account-current (other Governments)—			*By Inter-departmental transfers*—		
Government of India	3,580 8 0		P. W. D., other branches	1,661 5 0	
Government of Punjab	350 0 0	3,930 8 0	P. W. D., State Railways, Burma State Railway	2,329 14 4	
To *Inter-departmental Transfers*—			*By Civil Department*—	Rs. A. P.	
Military Department, Bengal	710 6 0		Jail	38,836 13 0	
Military Department, Madras	84 1 5		Miscellaneous	139 2 2	42,967 2 6
To Civil Departments—	Rs. A. P.			38,975 15 2	
Jail	40 0 0		By Closing balance	.....	2,450 10 11
Miscellaneous	248 6 2				
Mathematical Instrument Department	383 0 0	671 6 2			
Total ...	.....	25,84,879 0 8	Total ...	.....	25,84,879 0 8

J. TAYLOR,
Assistant Comptroller-General (Forests).

Dr. ANNUAL FORM No. 59A.—*Account-current for the year 1886-87.* Cr

	Tenasserim circle.	Pegu circle.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
To Opening Balance	587 12 0	1,495 15 10	2,083 11 10
VIII.—Assessed taxes	.	46 9 10	46 9 10
Revenue as per Annual Form No. 58	5,01,311 14 11	16,05,428 11 6	21,06,740 10 5
Service Funds—			
Military Fund, Madras	537 9 0	.....	537 9 0
Uncovenanted Service Family Pension Fund, Bengal	1,293 9 0	945 12 0	2,239 5 0
Forest Cash Remittances (local)	3,58,556 9 8	6,39,258 6 2	9,97,814 15 10
Inter-divisional transfers	58 0 0	57,463 14 4	57,541 14 4
Advances recoverable...	1,84,937 11 10	2,74,816 11 11	4,59,754 7 9
Suspense	.....	6 9 6	6 9 6
Inter-departmental Transfers—			
Military Department, Bengal	.....	710 6 0	710 6 0
Military Department, Madras	.....	64 1 5	84 1 5
Civil Department—			
Jail	471 5 0	40 0 0	511 5 0
Law and Justice	20 0 0	.. .	20 0 0
Miscellaneous	6 12 0	248 6 2	255 2 2
Mathematical Instrument Department	111 8 0	383 0 0	494 8 0
Account-current (other Governments)—			
Government of India	.....	3,580 8 0	3,580 8 0
Government of Punjab	.....	350 0 0	350 0 0
Total ...	10,47,892 11 5	25,84,879 0 8	36,32,771 12 1

	Tenasserim circle.	Pegu circle.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
By expenditure as per Annual Form No. 58	4,20,655 10 3	6,57,362 2 10	10,78,017 13 1
Forest Cash Remittances (local)	4,43,102 2 2	14,39,324 8 0	18,82,426 10 2
Inter-divisional transfers	58 0 0	56,712 10 4	56,770 10 4
Advances recoverable	1,24,455 1 6	2,61,135 14 2	3,85,593 15 8
Suspense	.....	39 4 6	39 4 6
Account-current other Governments—			
Government of India	1,433 0 3	28,208 15 2	29,641 15 5
Government of Madras	.....	96,559 15 3	96,559 15 3
Government of Bengal	82 0 0	97 13 0	179 13 0
Inter-departmental Transfers—			
Public Works Department, other branches	132 8 0	1,681 5 0	1,813 13 0
Ditto State Railways—Burma State Railway ...	.....	2,329 14 4	2,329 14 4
Military Department, Madras	35,461 8 6	.....	35,461 8 6
Ditto Bombay	13,348 2 6	.....	13,348 2 6
Civil Department—			
Jails	7,125 1 6	38,836 13 0	45,961 14 6
Miscellaneous	711 8 0	139 2 2	850 10 2
Telegraphs	297 0 0	.....	297 0 0
Closing balance ...	1,028 0 9	2,450 10 11	3,478 11 8
Total ...	10,47,892 11 5	25,84,879 0 8	36,32,771 12 1

ANNUAL FORM No. 60 [PRESCRIBED].—*Revenue received and Outstandings on account of Revenue during 1886-87.*

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
ATTARAN	Timber and other produce, &c.	21,922 5 4	3,548,08 4 10	3,76,724 10 2	3,76,160 10 2	564 0 0	Outstanding from sale of 19th March. The amount was recovered in April 1887.
KADO	Drift timber and other produce	.....	88,850 3 6	88,850 3 6	88,850 3 6	.....	
SOUTH TENASSERIM ...	Timber and other produce, &c.	.....	36,301 1 3	36,301 1 3	36,301 1 3	.....	
	Total Tenasserim Circle ...	21,922 5 4	4,79,953 9 7	5,01,875 14 11	5,01,311 14 11	564 0 0	
PROME	Timber and other produce, &c.	.....	1,31,247 15 0	1,31,247 15 0	1,31,247 15 0	.....	
THARRAWADY ...	Ditto	.....	82,776 12 10	82,776 12 10	82,776 12 10	.....	
RANGOON	Ditto	.....	54,377 9 6	54,377 9 6	54,377 9 6	.....	
TOUNGOO	Ditto	.....	30,398 2 1	30,398 2 1	30,398 2 1	.....	
SHWEGYIN	Ditto	.....	54,447 8 7	54,447 8 7	54,447 8 7	.....	
WESTERN	Ditto	7,829 4 7	64,847 10 2	72,676 14 9	72,676 14 9	.....	
AGENCY	Ditto	51,510 9 4	11,39,684 3 11*	11,91,194 13 3	11,21,429 12 9	69,765 0 6	* Includes Rs. 50,000 belonging to Upper Burma.
	Total Pegu Circle ...	59,339 13 11	15,57,779 14 1*	16,17,119 12 0	15,47,354 11 6	69,765 0 6	
MANDALAY	.....	.....	58,074 0 0	58,074 0 0	58,074 0 0	.....	
	GRAND TOTAL LOWER BURMA ...	81,262 3 3	20,95,807 7 8	21,77,069 10 11	21,06,740 10 5	70,329 0 6	

ANNUAL FORM No. 61 [PRESCRIBED].—*Statement of Outstandings and Liabilities on account of Contractors and Disbursers for 1886-87.*

Division.	Department debtor.			Department creditor.			Balance due		Remarks.
	At commencement of year	Recoveries in cash and value of supplies and work done during the year	At close of year	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).	
	Rs. A. P	Rs. A. P.	Rs. A. P	Rs. A. P.	Rs A. P.	Rs. A. P.	Rs A. P.	Rs. A. P.	
Attaran	.....	1,61,332 10 6	1,61,332 10 6	1,01,312 6 6	99,692 5 0	2,01,004 11 6	39,672 1 0	.....	
Kado revenue station	.....	11,801 1 4	11,801 1 4	618 10 10	12,781 12 6	13,400 7 4	1,599 6 0	.....	
South Tenasserim	.....	11,804 0 0	11,804 0 0	.....	11,984 0 0	11,984 0 0	180 0 0	.....	
Total Tenasserim Circle ...	.....	1,84,937 11 10	1,84,937 11 10	1,01,931 1 4	1,24,458 1 6	2,26,389 2 10	41,451 7 0	.....	
Government Timber Depôt and Agency Office ...	.....	5,542 7 3	5,542 7 3	1,951 11 4	4,476 11 9	6,428 7 1	885 15 10	.....	
Rangoon	150 0 0	33,017 5 3	33,167 5 3	5,742. 6 8	28,389 12 2	34,132 2 10	1,414 13 7	450 0 0	
Tharrawaddy	.....	1,46,583 1 7	1,46,583 1 7	25,692 12 10	1,47,063 4 6	1,72,756 1 4	26,172 15 9	.....	
Prome	.....	38,287 8 6	38,287 8 6	8,592 5 3	38,487 3 9	47,079 9 0	8,792 0 6	.....	
Western	.....	17,852 9 5	17,852 9 5	12,877 5 7	13,636 8 0	26,513 13 7	8,661 4 2	.....	
Toungoo	.....	31,095 5 11	31,095 5 11	5,441 0 11	26,644 0 0	32,085 0 11	989 11 0	.....	
Shwegyin	.....	2,438 6 0	2,438 6 0	.....	2,438 6 0	2,438 6 0	.....	.....	
Total Pegu Circle ...	150 0 0	2,74,816 11 11	2,74,966 11 11	60,297 10 7	2,61,135 14 9	3,21,433 8 9	46,916 12 10	450 0 0	
GRAND TOTAL LOWER BURMA ...	150 0 0	4,59,754 7 9	4,59,904 7 9	1,62,228 11 11	3,85,593 15 8	5,47,822 11 7	88,368 4 10	450 0 0	

CALCUTTA:
The 31st May 1887.

J. TAYLOR,
Assistant Comptroller-General (Forests).

ANNUAL FORM No. 62 [PRESCRIBED].—*Statement showing the Financial Results in the Tenasserim and Pegu Circles for 1886-87.*

Division.		Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection, and improvement of forests.	Total.		Remarks.
		Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Tenasserim	Attaran	62,732	40,933	12,049	9,983	3,661	74,781	54,577	
	East Salween	2,30,590	2,17,066	6,595	1,002	5,964	2,43,185	2,24,032	
	West Salween	54,554	44,883	3,641	1,132	6,450	58,195	52,465	
	Kado	...	...	88,850	55,086	...	88,850	56,086	
	South Tenasserim	21,323	18,757	14,978	13,461	1,278	36,301	33,496	
	Total Tenasserim	3,78,199	3,21,639	1,23,113	81,064	17,353	5,01,312	4,20,656	
Pegu	Prome	61,521	46,189	1,15,488	11,943	11,795	1,77,003	69,927	
	Tharrawaddy	6,39,917	1,66,961	29,086	16,413	34,545	6,69,003	2,17,939	
	Rangoon	2,27,675	1,01,021	25,209	15,196	19,252	2,52,884	1,35,471	
	Toungoo	2,32,284	1,02,905	16,989	10,441	13,134	2,49,273	1,26,480	
	Shwegyin	38,455	29,949	24,393	6,121	6,171	62,849	42,241	
	Western	58,619	46,591	13,858	7,624	5,916	72,677	60,131	
	Agency	7,517	2,985	6,150	...	...	13,667	2,985	
	Total Pegu	12,66,188	4,96,631	2,31,167	67,740	90,813	14,97,355	6,55,174	
Grand Total Lower Burma		16,44,387	8,18,260	3,54,280	1,49,404	1,08,166	19,98,667	10,75,830	

APPENDIX A.

Statement exhibiting the Cost of Feed of Elephants of the Forest Department for the official year 1886-87 as compared with that of the Commissariat Department for the same period.

Division.	Number of elephants at commencement of the year	Casualties during the year	Number of elephants at close of the year	Cost of feed.	Cost of keep, including gear, &c.	Cost of medicine	Total expenditure for the year	Average monthly cost per animal of the Forest Department	Average monthly cost per animal of the Commissariat Department	Amount paid by officers for carriage elephants.	Value of labour in cash receipts and work performed.	Remarks
	–			Rs A. P	Rs. A. P	Rs. A. P	Rs. A. P.	Rs. A. P.	Rs. A. P	Rs. A. P.	Rs. A. P	
Attaran	5	...	5	1,025 0 0	1,248 0 0	9 0 0	2,282 0 0			....	2331 0 0	
East Salween	1	...	2	.....	379 0 0	9 0 0	388 0 0	31 1 0	47 12 4	.. ...	314 0 0	
West Salween	1	.	1	...	312 0 0	..	312 0 0			...	386 0 0	
Total Tenasserim ..	7	...	8	1,025 0 0	1,939 0 0	18 0 0	2,983 0 0	31 1 0	47 12 4	.....	3,031 0 0	
Prome	2	..	2	20 6 0	600 4 6	4 3 6	624 14 0				648 0 0	
Tharrawaddy	9*	1	8	... ..	1,966 11 3	58 0 9	2,024 12 0				7,346 0 0	* Calf included.
Rangoon	3	1	2	24 12 0	749 1 5	0 12 0	774 9 5				1,452 0 0	
Toungoo	4	2†	3	.....	945 9 2	33 0 0	978 9 2	36 12 9	42 2 9	.. ...	1,639 0 0	† Stolen
Shwegyin	2	.	2	.....	610 0 7	20 0 0	630 0 7				385 0 0	
Western	4	...	4	29 14 9	1,300 10 0	25 0 0	1,355 8 9				2,210 0 0	
Agency	12	..	12	4,344 8 10	4,939 4 8	219 6 6	9,503 4 0				23,676 0 0	
Total Pegu ...	36	4	33	4,419 9 7	11,111 9 7	360 6 9	15,891 9 11	...		.....	37,349 0 0	
GRAND TOTAL LOWER BURMA ...	43	4	41	5,444 9 7	13,050 9 7	378 6 9	18,873 9 11	.	..	... ...	40,380 0 0	

APPENDIX B.

Lower Burma.

List of Buildings of which the Cost exceeds Rs. 200 and for Occupation of which no Rent is paid.

Division.	No.	Name of building.	Station	Remarks.
Attaran	1	Forest office	Moulmein.	
	1	Elephant-shed	do.	
	1	Paddy-shed	do.	
	1	Rest-house	Natchaung.	
	1	Guard-house	Nantè.	
	4	Guard-houses	Moulmein.	
East Salween	1	Bungalow	Kawkareik	
	1	Rest-house ...	Gyaing on the Haungdraw.	
	1	Guard-house	Gyaing	
West Salween ...	1	Bungalow	Papun.	
South Tenasserim	1	Office	Mergui.	
	1	Guard-house	Tavoy.	
Kado	1	Guard-house ...	Martaban.	
	1	Guard-house	Moulmein ...	Mopun
	8	Office and two out-houses ...	Kado.	
	1	Lascar's house	Do.	
	1	Upper guard-house ...	Do.	
	1	Lower guard-house ...	Do.	
	1	Coal-shed	Battery Point.	
	1	Bungalow	Shwegun.	
		(*b*)—*On which Rent is paid.*		
East Salween ...	1	Bungalow	Kawkareik	
		(*a*)—*On which no Rent is paid.*		
Prome ...	2	Rest-houses	Kadinngazin, Paungale	
Tharrawaddy	1	Forest office	Tharrawaddy.	
	1	Forest bungalow	Paungdè	
	6	Rest-houses	We, Seywa, Kaunglaung-daung, Kwingyi, Themè, Yethe.	Ten rest-houses destroyed by dacoits.
Rangoon ...	3	Revenue stations	Tawletè, Awing, Hlègu	
Toungoo	2	Rest-houses	Palôn, Kinbadi	
	1	Forest office	Toungoo.	
	6	Rest houses	Tabetkiwè, Zibyubin, Pathi-chaung, Banbwebin, Min-ye, Pyunchaung	
Shwegyin	1	Rest-house	Myitkyo ..	Kanyinmyaung bungalow destroyed by dacoits
	1	Overseer's house		
Depôt and Agency	1	Officers' quarters ...	Kemmendine, Rangoon	
	1	Overseer's quarters		
	6	Guard-houses .		
	1	Mahout's quarters ..		
	1	Elephant-shed		
	1	Seasoning-shed		
		(*b*)—*On which Rent is paid.*		
Prome ...	1	Forest office	Prome.	
Tharrawaddy ...	1	First class bungalow .	Tharrawaddy.	
Rangoon ...	1	Forest officer's quarters ...	Pegu	
Toungoo ..	1	First class bungalow	Toungoo	
Shwegyin ..	1	Forest officer's quarters ...	Shwegyin.	

APPENDIX C.

Statement showing the Exports of Timber and other Forest Produce from the Port of Rangoon during the official year 1886-87 (Private and Government).

Articles and countries to which exported.		RANGOON.	
		Quantities.	Value.
			Rs
WOOD—			
Teak—			
To United Kingdom	C. tons	8,532	7,65,391
„ France, St. Nazaire	„	.....	...
„ Malta	„	6	720
„ Spain, Gibraltar	„	.	...
„ Egypt, Port Said	„	2,021	1,65,260
„ Mauritius	„	..	..
„ Ceylon	„	180	9,840
„ Siam	„	2	100
„ Straits Settlements	„	95	9,031
„ Victoria	„	97	10,670
„ Bengal, Calcutta	„	7,084	7,06,956
„ Do., other ports	„	89	7,858
„ Bombay, Bombay	„	19,707	13,26,934
„ Sind, Karachi	„	1,298	1,16,820
„ Madras, Madras	„	6,021	4,28,278
„ Do., other ports	„	1,381	1,09,790
„ Provincial ports	„	112	10,411
„ Pondicherry	„	..	.
„ Kattywar, Jamnagar	„	100	4,000
	Total	46,734	34,66,561
Other timber—			
To United Kingdom	Tons	2	20
„ Straits Settlements	„	4	464
„ Bengal, Calcutta	„	205	10,059
„ Do., other ports	„	3	150
„ Bombay, Bombay	„	..	..
„ Madras, Madras	„	1	40
„ Do., other ports	„	33	888
„ Provincial ports	„	½	10
„ Kattywar, Jamnagar	„	125	4,000
	Total	371½	15,631
Sandalwood—			
To China, Hongkong	Value	...	1,076
„ Straits Settlements	„	.....	500
„ Provincial ports	„	.	831
	Total	.. .	2,407
Teak Railway keys—			
To United Kingdom	Cwt.	2,533	7,500
„ Bengal, Calcutta	„	3,300	15,000
„ Bombay, Bombay	„	255	765
„ Madras, Madras	„	3,090	9,270
	Total	9,178	33,264
Wooden sleepers—			
To Bengal, Calcutta	Cwt.	40,372	1,31,069
„ Bombay, Bombay	„	300	900
„ Madras, Madras	„	3,003	10,519
„ Do., other ports	„	22,645	61,321
	Total	72,310	2,03,809
MANUFACTURES OF WOOD—			
To United Kingdom	Value	.. ...	51
„ Egypt, Port Said	„	.....	90
„ Ceylon	„	.....	16,598
„ Siam	„	.....	39
„ Straits Settlements	„	.....	4,641
„ Bengal, Calcutta	„	.....	1,005
„ Do., other ports	„	.....	6,006
„ Bombay, Bombay	„	. ...	48
„ Madras, Madras	„	.....	26,637
„ Do., other ports	„	.....	25,949
„ Provincial ports	„	.....	9,868
„ Pondicherry	„	.....	24,473
	Total	.....	1,12,090
GUMS—			
Cutch—			
To United Kingdom	Cwt.	103,307	15,07,062
„ Egypt, Port Said	„	30,439	4,45,143
„ St. Helena	„	9,790	1,46,850
„ Ceylon	„	178	3,740
„ China, Hongkong	„	16	240
„ Straits Settlements	„	14,166	1,96,948
„ Bengal, Calcutta	„	72,423	11,84,758
„ Do., other ports	„	87	1,680
„ Bombay, Bombay	„	14,100	2,02,161
„ Madras, Madras	„	692	13,760
„ Do., other ports	„	1,205	20,055
„ Provincial ports	„	142	3,522
	Total	246,570	37,35,119
LAC—			
Stick—			
To Straits Settlements	Cwt.	60	933
„ Bengal, Calcutta	„	958	11,812
„ Madras, Madras	„	1,196	18,710
„ Do., other ports	„	806	10,502
„ Provincial ports	„	85	1,451
	Total	3,100	42,008
OILS—			
Wood—			
To Bengal, Calcutta	Galls.	1,428	740
„ Madras, Madras	„	5,692	4,681
„ Do., other ports	„	232	255
	Total	7,362	5,676

APPENDIX C (*a*).

Statement showing the Imports of Timber and other Forest Produce into the Port of Rangoon during the official year 1886-87 (Private and Government).

Articles and countries from which imported.		RANGOON.	
		Quantities.	Value.
			Rs.
WOODS—			
Teak—			
From Provincial ports ...	C. tons	1,233	83,328
Other timber—			
From United Kingdom ..	Tons	150	8,455
,, Ceylon ...	,,	5	325
,, Straits Settlements	,,	116	5,545
,, Bengal, other ports	,,	75	2,134
,, Madras, Madras ...	,,	5	550
,, Provincial ports ...	,,	219	10,236
Total		570	27,045
Firewood—			
From Siam ...	Tons	128	2,478
,, Straits Settlements	,,	495	11,595
,, Provincial ports ...	,,	68	1,210
Total		691	15,283
Sandalwood—			
From Straits Settlements	Value	.....	80
,, Bengal, Calcutta ...	,,	.....	4,249
,, Bombay, Bombay	,,	.....	14,733
,, Madras, Madras ...	,,	.....	1,300
,, Do., other ports	,,	.....	87
,, Provincial ports ..	,,	.....	636
Total		.....	21,085
Wooden sleepers—			
From Provincial ports ...	Cwt.	1,945	4,028
Manufactures of wood—			
From United Kingdom ...	Value	.....	20,658
,, Ceylon ...	,,	.....	21
,, China, Hongkong ...	,,	.....	...
,, Straits Settlements	,,	.....	98,229
,, Bengal, Calcutta .	,,	.....	28,898
,, Do., other ports	,,	.....	1,536
,, Bombay, Bombay	,,	.....	820
,, Madras, Madras ..	,,	.....	338
,, Do., other ports	,,	.....	170
,, Provincial ports ...	,,	.....	52,090
Total		.....	2,07,255
GUMS—			
Cutch—			
From Straits Settlements	Cwt.	86	1,160
,, Bengal, Calcutta ...	,,	12	279
,, Provincial ports ...	,,	16	380
Total		114	1,819
LAC—			
Stick—			
From Provincial ports .	Cwt.	2	20
,, Madras other ports	,,	1	9
Total		3	29
OIL			
Wood—			
From Straits Settlements	Galls.	996	1,257
,, Provincial ports .	,,	8,554	2,286
Total		9,550	3,543

APPENDIX C (1).

Statement showing the Exports of Teak Timber from Moulmein during 1886-87.

Ports.	MOULMEIN.		
	Logs.	Cubic tons.	Value.
			Rs.
United Kingdom ..	...	8,808	9,51,500
France, St. Nazaire	...	1	64
Spain, Gibraltar	...	659	65,872
Egypt, Port Said	...	538	46,668
Mauritius	...	537	26,794
Ceylon ...	...	348	17,390
Straits Settlements ...	...	293	14,109
Bengal, Calcutta ...	...	23,465	15,98,971
Do., other ports	...	289	18,452
Bombay, Bombay ...	...	48,004	27,32,925
Sind, Karachi ...	...	365	25,000
Madras, Madras ...	...	6,051	3,46,786
Do., other ports	...	4,326	2,08,848
Provincial ports ...	...	1,644	1,05,810
Pondicherry ...	...	1,232	70,802
Total ..	...	296,000	62,34,972

APPENDIX C (2*a*).

Statement showing the Exports of Shingles, Sleepers, Railway Keys, and Woods of other kinds from Moulmein, Tavoy, and Mergui during 1886-87.

Articles.	Whither exported.		Moulmein.		Tavoy.		Mergui.	
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
				Rs.		Rs.		Rs.
Other timber ...	Egypt, Port Said	Tons	6	130	...	...	...	...
	Bengal, Calcutta	„	870	48,752	...	...	...	...
	Do., other ports ...	„	42	2,205	...	...	...	...
	Bombay, Bombay ...	„	333	21,338	...	...	...	...
	Madras, Madras ...	„	146	13,667	...	...	...	...
	Provincial ports ...	„	190	8,021	...	...	41	100
	Provincial and other ports ...	„	...	...	1,144	46,223	...	...
Wooden sleepers	Bengal, Calcutta ...	Cwt.	28	96	...	...	...	...
	Madras, other ports ...	„	19,146	47,330	...	...	...	...
	Provincial ports ...	„	626	1,840	...	...	...	...
Teak railway keys.	Bengal, Calcutta ...	Cwt.	3,570	10,671	...	...	...	...
	Bombay, Bombay ...	„	5,691	12,540	...	...	...	...
Teak shingles, ventilators, staves, &c.	United Kingdom ...	Value	...	747	...	...	...	...
	France, St. Nazaire ...	„	...	269	...	...	...	...
	Malta	„	...	1,797	...	...	...	...
	Egypt, Port Said ...	„	...	3,522	...	...	...	...
	Mauritius ...	„	...	27,970	...	...	...	...
	Ceylon ...	„	...	773	...	...	...	...
	Siam ...	„	...	57	...	...	...	...
	Straits Settlements ...	„	...	4,755	...	...	...	...
	Bengal, Calcutta ...	„	...	362	...	...	...	...
	Do., other ports ...	„	...	243	...	...	...	...
	Madras, other ports ...	„	...	2,249	...	...	...	...
	Provincial ports ...	„	...	48,514	...	...	...	...
	Pondicherry	„	...	360	...	...	...	...

APPENDIX C (2*b*).

Statement showing the Exports of Boat-hulls and other Timber from the Port of Tavoy during 1886-87.

Articles.	Whither exported.		Tavoy.		Remarks.
			Quantity.	Value.	
				Rs.	
Boat-hulls ...	Provincial ports	No.	39	34,125	
Other woods ...	Ditto	Tons	1,144	46,223	
		Total ...	...	80,348	

APPENDIX C (3).

Statement showing the Exports of Minor Forest Produce from the Ports of Mergui, Tavoy, and Moulmein during 1886-87.

Articles.	Whither exported.		Moulmein.		Tavoy.		Mergui.	
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
				Rs.		Rs.		Rs.
Gums and resins ...	Provincial ports ...	Cwt.	35	500	...	...	...	...
Lac, stick ...	Ditto ...	„	12	225	...	...	...	...
Wood-oil ...	Madras, Madras ...	Galls.	2,484	1,172	...	...	...	...
	Do., other ports ...	„	1,160	455	...	...	...	...
	Provincial ports ...	„	100	50	...	...	Viss 35,680	3,875
Bark of trees for tanning	Ditto ...	Cwt.	...	...	5,436	1,469	...	...
Ôndôn bark	Ditto ...	„	...	...	1,236	2,282	...	...
Sandal-wood	Ditto ...	„	...	...	26	60	18	144
Firewood	Ditto ...	Tons	67	670	7	45	9	58
Cardamom	Ditto ...	lbs.	...	...	75,070	27,709	9,295	2,986
Dammer torches ...	Ditto ...	No.	...	...	400	72	863,450	17,897
Kampin fruits ...	Ditto ...	Bkts.	...	...	510	511	...	...
Chesnuts (thitkyathi) ...	Ditto ...	„	...	...	358	403	...	...
Orchids	Ditto ...	„	...	...	1	5	...	...
Marians (pickled) ...	Ditto ...	Jars.	...	...	12	30	...	...
Akyaw wood	Ditto ...	Viss	...	...	...	...	2,350	21,520
Pyu bark	Ditto ...	„	...	...	...	...	25,400	186
Rattans	Ditto ...	No.	...	...	...	...	6,283,600	9,528
Honey	Ditto ...	Viss	...	...	...	...	4,680	2,795
Bees-wax	Ditto ...	„	...	...	...	...	200	800
Karawè leaves ...	Ditto ...	„	...	...	...	...	800	48
Fibre	Ditto ...	„	...	...	...	...	4,620	239

APPENDIX C (4).

Statement showing the Imports of Timber and other Forest Produce during the year 1886-87 into the Ports of Mergui, Tavoy, and Moulmein.

Articles.	Whence imported.	Moulmein.		Tavoy.		Mergui.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
			Rs.		Rs.		Rs.
Teak timber	Provincial ports	..	...	Tons 7	440	...	...
Do. shingles	Ditto	...	...	No. 11,500	138	...	...
Firewood	Ditto	...	...	Tons 19	87	...	...
Wood-oil	Ditto	...	...	Galls. 290	73	...	...
Fibre for cordage ...	Ditto	...	...	Cwt. 237	703	...	...
Dammer for torches ...	Ditto	...	...	No. 1,000	25	...	...
Rattans	Ditto	...	...	...	...	No. 152,000	986

APPENDIX D.

TENASSERIM CIRCLE.

Statement of Teak and other Trees Girdled and Forest Work done in season 1886-87.

Name and number of section.	By whom girdled.	Name of revising officer.	Forest district.	Locality.	Teak.	Trees counted by revising officer.	Remarks.
1	Forest-Ranger Maung Shwe Ka.	Colonel W. J. Seaton, Conservator of Forests.	Tagalaung reserve	South of Talino, In or Taluktan	389	63	Revised by Conservator.
2				Between Nantapomu and Pyinnabwé chaung	87	22	
1	Forester Tha Gyaw and Girdling Clerk Shwe U.	Mr. T. A. Hauxwell, Deputy Conservator of Forests.	Outside of reserve	On the Ôukra chaung	325	70	Revised by Divisional Officer.
2				On the head-waters of the Paghèkè ...	231		
				Total ...	1,026	175	

APPENDIX D.

PEGU CIRCLE.

Statement of Teak Trees Girdled during season 1886-87.

Division.	Revising officer	By whom girdled.	Range.	District.	Locality.	Number of teak trees.
Prome.	Mr. Slade, Officiating Deputy Conservator of Forests.	Ranger Maung Chitsu.	Nawin ...	South Nawin (outside reserves).	Kya stream, both banks	169
					Kyauk stream, north bank	466
					Kyauk stream, south bank	196
					Yegaunnyaung	369
					Total ...	1,200
		Ranger Maung Tha Shun.	Kawa ...	Mindôn (outside reserves).	West of Yoyin chaung (feeder of Mu stream)	237
					Kokadin chaung	103
					Thapan chaung	8
					Near Kyaungtha	288
					Wan chaung and in the forests on its north bank	451
					Chaung	195
					Ponagaung chaung and near Gwekyo	16
					Total Mindôn ...	1,309
					Total Prome Division ...	2,509
Tharrawaddy.	Mr. C. H. Hobart-Hampden, Assistant Conservator of Forests.	Ranger Maung Aung and Forester Maung Shwe O.	Shwele ...	Shwele (unreserved forests).	West of Kyedaing chaung	297
					South of Myauknyo chaung...	39
					West of Mwêhwè chaung	33
					West of Nwakho chaung	15
					Tributary to Nwakho chaung	49
					East of Kyedaing chaung	31
					Myebya forests, Shwele chaung	35
					West of Padetmyaung	43
					Kyain forests, Shwele chaung	44
					Pyinbinhla, north of Shwele chaung	18
					Letpanmyaung, tributary to Shwele chaung	14
					Shwegèbauk, tributary to Dawlè	6
					Ngapaw, north of Shwele	7
					Thayetbinhla, south of Shwele	30
					Total Shwele ...	656
	Maung Kalè, Sub-Assistant Conservator of Forests.	Forester Maung Yauk.	Taungnyo-Bawbin.	Taungnyo ...	East of Kyaunyo chaung	1,188
					Magyebinchaung forest	1,495
					East of Sinthè chaung	269
					Kyatchaung forest	100
		Timber-measurer Maung Shwe Tu.	...	...	Pyawgyi forest, south of Nyanlè chaung	384
					Kugyi forest, north of Thayet chaung	323
					Gwechaung forest	230
					Kanyinchaung forest	344
					Thapanchaung forest	267
					Kannichaung forest	241
					Total Taungnyo ...	4,841
		Mr. G. Q. Corbet, Assistant Conservator of Forests.	Thonzè	Mokka (reserved forests), Kadin-Bilin.	Compartment No. 13	67
					Compartment No. 14	129
					Kadin-Bilin	4
					Total Mokka and Kadin ...	200
					Total Tharrawaddy Division ...	5,697

Statement of Teak Trees Girdled during season 1886-87—(concluded).

Division.	Revising officer.	By whom girdled.	Range.	District.	Locality.	Number of teak trees.
Rangoon.	Captain Bingham, Deputy Conservator.	Forester Maung Yauk.	Pegu ...	Zamayi Karen area No. I.	South of Wapyumyaung	2
					Between Wapyumyaung and Samalawchaung	297
		Captain Bingham, Deputy Conservator.		Karen area No. II...	On south bank of Kyet chaung	174
					North of Sack chaung	67
					Total Karen area Zamayi Reserve ...	540
		Ditto ...		Pegu ...	Tôngyi forests	61
					Total Rangoon Division ...	601
Toungoo.	Mr. F. W. Thellusson, Deputy Conservator.	Ranger Maung Yaing.	Thagaya...	Lônyaw valley (outside reserve).	South of Lônyaw chaung between Yengan and Zawin streams ...	100
					Between Zawin and Nyaungywe streams	20
					South of Lônyaw chaung between Zawin chaung and Pethla chaung.	37
					South of Lônyaw chaung between Aingsomyaung and Thapangyogyi chaung.	25
					Between Thapangyogale and Thapangyogyi chaungs	33
					South of Lônyaw chaung between Thapangyogyi chaung and Kyidaukmyaung.	609
					South of Lônyaw chaung between Kyidaukmyaung and Sabwa myaungs.	122
					West of Lônyaw chaung between Ngapokyidauk and Ahle myaung	73
					West of Lônyaw chaung between Ngapekyidauk myaung and Gwe chaung.	302
					Between Gwe chaung and Kyat myaung	25
					North of Lônyaw chaung between Gwe chaung and Satkalè chaung.	304
					Between Satkalè chaung and Kyaukmwe myaung	72
					Between Sinbaukgyi chaung and Myaungtha	307
					South of Lônyaw chaung between Myaungtha and Kadetmyaung ...	276
					South of Lônyaw chaung between Kadet and Kyat chaungs ...	21
					North of Lônyaw chaung between Kyat chaung and Zingyan chaung	34
					Total ...	2,450
	Mr. F. W. Thellusson, Deputy Conservator.	Ranger Maung Yaing.	Thagaya...	Myohla valley (outside reserve).	South of Daunglangya chaung	80
					Between Daunglangya and Chinbaung chaungs	305
					Between Chinbaung chaung and Gwe chaung	584
					On the bank north of Chinbaung chaung	131
					Total ...	1,050
	Mr. F. W. Thellusson, Deputy Conservator	Ranger Maung Yaing.	Thagaya...	Samo forest ...	On the Hledôn Kyin north of Samo chaung between Mèzali and Chaungzauk chaungs.	218
					Between Samo and Mèzali chaungs	98
					On the east of Yèbè chaung between Samo and Kyat chaung	66
					On the north of Samo chaung between Yèbè and Ngalatkè chaungs	88
					On the north of Samo chaung between Ngalatkè chaung and Kyat myaung.	20
					On the north of Samo chaung between Kyat myaung and Myaung Tha.	135
					On the north of Samo chaung between Myaung Tha and Chaung pyu Myaung.	90
					On the north of Samo chaung between Shawbu Myaung and Watantha Myaung.	241
					On the south of Samo chaung between Kyun Myaunggyi and Aungtot Myaung chaung.	58
					On the south of Samo chaung between Hpa Yôkgyi Myaung, Mwegyi-yaik chaung and Mudôn chaung.	180
					On the south of Samo chaung between Hpa Yôkgyi myaung and Theik chaung.	60
					On the south of Samo chaung between Samo village and Dohnwe village.	28
					Between Mudôn and Zick chaungs	24
					Between Mudôn and Kayin chaungs	174
					Between Kayin and Kyat chaungs	60
					On the east of Mataw myaung between Chaungbyu chaung and Mataw myaung.	140
					Between Chaungbyu and Makauk chaung	40
					Total ...	1,630
	Mr. C. Ingram, Sub-Assistant Conservator of Forests.	Ranger Maung Hmun.	Zeyawadi	Kabaung valley (outside reserve).	On the tributary of Thabye chaung between Wabu myaung and Sat chaung.	248
					Between Letkpôk myaung and Wabu myaung	94
					Between Letkpôk myaung and Thabyè chaung	95
					Between Thabyè chaung tributary and Khwe myaung	27
					Total ...	464
					On the Kabaung chaung tributary between Thagyogyi myaung and Thagyogale myaung.	229
					At the tributary of Kabaung chaung on Thagyogale myaung ...	67
					At the tributary of Kabaung chaung on the Thagyogyi myaung ...	57
					At the tributary of Kabaung chaung on Letpangyi myaung ...	36
					Between Letpangyi myaung and Hpaungdanpyet myaung ...	64
					On the Hpaungdanpyet myaung	83
					Total ...	536
					Total Toungoo Division ...	6,130
Shwegyin.	Mr. J. Copeland, Officiating Deputy Conservator.	Ranger Maung Tun.	Bawni ...	Kun ...	Between Thaledu chaung and Bull chaung	220
					Between Thitpôk chaung and Bull chaung	180
					Between Manyagyi chaung and Thitpok chaung	300
					Between Manyagale and Manyagyi streams	380
					Between Chaungsauk and Manyagyi stream	170
					To the west of the Wun chaung	250
					Total Shwegyin Division ...	1,500
					GRAND TOTAL ...	10,448

APPENDIX E.

Statement of Outturn of Foreign Timber for the five years 1882-83 to 1886-87.

Name of forest.	1882-83.						1883-84.						1884-85.					
	Full-sized.	Tons.	Under-sized.	Tons.	Stem.	Tons.	Full-sized.	Tons.	Under-sized.	Tons.	Stem.	Tons.	Full sized.	Tons.	Under-sized.	Tons.	Stem.	Tons.
Karenni	57,655	77,077	863	700	3,353	2,682	76,362	87,529	2,177	2,100	4,879	2,927	66,099	76,186	10,167	6,200	7,135	3,600
Kynetaun	6,670	8,900	170	100	2,955	1,964	14,537	16,661	526	510	8,295	4,977	9,892	8,455	861	516	3,766	1,506
Maunglongyi	5,664	8,500	4	2	1,316	1,053	3,614	5,348	2	2	980	688	15,752	15,000	197	105	2,660	1,454
Thaungyin	19,503	19,592	4,589	4,500	6,614	5,291	27,932	32,158	1,944	1,900	16,365	9,819	24,460	21,771	9,010	5,400	21,436	8,780
Dagwin	6,336	10,044	760	600	366	290	3,725	4,652	10	8	203	121	5,641	6,000	4,496	2,970	326	160
Zimme	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Melaungthun	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monpè	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Upper Thaungyin	..	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...
GRAND TOTAL ...	95,828	123,413	6,386	5,902	14,604	11,289	126,370	146,348	4,659	4,520	30,722	18,532	141,477	127,412	24,731	15,191	35,323	15,500

Statement of Outturn of Foreign Timber for the five years 1882-83 to 1886-87.—concluded.

Name of forest	1885-86						1886-87						Remarks				
	Full-sized.	Tons	Under-sized	Tons	Stem	Tons	Full sized	Tons	Under-sized.	Tons.	Stem	Tons	Comparison of percentage of increase or decrease as compared with the percentage of increase or decrease for the previous year				
															Increase	Decrease	
Karenni ...	60,413	65,860	2,357	1,415	4,002	3,000	54,161	54,000	7,826	6,200	2,022	1,213	Karenni .	Full-sized logs ...	..	22	3
														Under-sized logs ...	232	309	.
														Stem ...	...	49	5
kynetaun ...	9,271	8,577	826	500	1,388	1,000	5,209	4,800	763	600	822	493	Kynetaun ..	Full-sized logs .	...	44	58
														Under sized logs	..	8	4
														Stem .	...	41	22 ..
Mainglôngyi	10,730	10,608	231	150	1,502	990	9,462	9,300	1,334	1,300	560	360	Mainglôngyi ...	Full-sized logs .	..	19	20 ...
														Under-sized logs	375		332 .
														Stem ...	..	61	17
Thaungyin ..	10,533	9,768	2,177	1,460	5,182	2,600	16,717	16,000	17,507	13,000	1,347	800	Thaungyin ...	Full-sized logs ...	59	.	125 ...
														Under-sized logs.	704	..	780 ...
														Stem ..	...	74	3 .
Dagwin	3,985	4,067	1,199	1,000	72	50	1,454	1,500	457	400	19	12	Dagwin .	Full-sized logs ...	...	63	33
														Under-sized logs	...	62	11 .
														Stem .		74	4
Zimme ..	3,469	3,145	713	500	1,106	650	11,165	10,100	1,183	900	1,210	605	Zimme .	Full-sized logs .	222	...	
														Under-sized logs ..	66		
														Stem ..	9	...	
Melaungthun ...	1,444	1,473	109	80	443	280	18,795	17,600	1,696	1,400	204	125	Melaungthun ..	Full-sized logs ...	1,201	...	
														Under-sized logs ..	1,456	..	
														Stem .	...	54	
Mônpè . ..	8	6	.	..		...	...	...	...	...	...	...					
Upper Thaungyin .	..	..			...	..	220	200	37	20	...	...	Upper Thaungyin	Full-sized logs	This forest has not been worked before		
														Under-sized logs ..			
														Stem ...			
																	No figures being available, the forests being newly worked, the calculation cannot be made.
GRAND TOTAL	108,753	103,504	7 662	5,025	13,695	8,570	117,183	113,500	30,803	23,820	6,204	3,628					

APPENDIX F.

Statement showing the Exports of Timber and other Forest Produce from Moulmein during the year 1886-87.

Articles and countries to which exported.		Quantity.	Value
			Rs
Wood—			
Teak—			
To United Kingdom	C. tons	8,868	9,51,500
„ France, St. Nazaire	„	1	84
„ Spain, Gibraltar	„	650	65,872
„ Egypt, Port Said	„	538	48,668
„ Mauritius	„	537	28,794
„ Ceylon	„	348	17,300
„ Straits Settlements	„	203	14,103
„ Bengal, Calcutta	„	23,465	15,99,971
„ Bengal, other ports	„	269	18,459
„ Bombay, Bombay	„	48,004	27,32,925
„ Sind, Karachi	„	365	25,900
„ Madras, Madras	„	6,051	3,46,786
„ Madras, other ports	„	4,326	2,08,848
„ Provincial ports	„	1,644	1,05,810
„ Pondicherry	„	1,232	70,962
Total	...	96,600	62,34,972
Other timber—			
To Egypt, Port Said	Tons	6	130
„ Bengal, Calcutta	„	870	48,752
„ Bengal, other ports	„	42	2,205
„ Bombay, Bombay	„	333	21,338
„ Madras, Madras	„	146	13,667
„ Provincial ports	„	190	8,021
Total	...	1,587	94,113
Firewood—			
To Provincial ports	Tons	67	670
Wooden sleepers—			
To Bengal, Calcutta	Cwt.	28	96
„ Madras, other ports	„	19,146	47,390
„ Provincial ports	„	626	1,840
Total	...	19,800	49,266
Teak railway keys—			
To Bengal, Calcutta	Cwt.	3,570	10,671
„ Bombay, Bombay	„	5,691	12,540
Total	..	9,261	23,211
Manufactures of teak shingles, &c.—			
To United Kingdom	Value	.....	747
„ France, St. Nazaire	„	.....	269
„ Malta	„	.....	1,797
„ Egypt, Port Said	„	.....	3,529
„ Mauritius	„	.....	27,970
„ Ceylon	„	.....	773
„ Siam	„	.....	57
„ Straits Settlements	„	.....	4,755
„ Bengal, Calcutta	„	.....	362
„ Bengal, other ports	„	.....	243
„ Madras, other ports	„	.....	2,240
„ Provincial ports	„	.....	48,514
„ Pondicherry	„	.....	360
Total	...	.....	91,618
Gums and resins—			
Cutch and gambier—			
To provincial ports	Cwt.	35	500
Lac—			
Stick—			
To provincial ports	Cwt.	12	225
Oils—			
Wood—			
To Madras, Madras	Galls.	2,484	1,172
„ Madras, other ports	„	1,160	455
„ Provincial ports	„	100	50
Total	...	3,744	1,677
Grand Total	...	.....	64,96,252

APPENDIX G.

Summary of Revenue of the different Divisions during 1886-87.

Budget head—Receipts.	Attaran.	Kado.	East Salween.	West Salween.	Tavoy.	Mergui.	Total.
I.—Timber and other Produce removed from the Forests by Government Agency—	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
a. Timber	62,782 4 0	.....	2,30,589 12 0	54,553 15 0	21,323 3 3	.....	3,78,199 2 3
b. Firewood and charcoal	.....	.....	.....	.....	.....	.....	.....
c. Bamboos	.....	.....	.....	.....	.....	.....	.....
d. Sandal-wood	.....	.....	.....	.....	.....	.....	.....
e. Grass and other minor produce	.....	.....	333 15 0	.....	.....	.....	333 15 0
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—							
a. Timber	8,306 2 9	90 12 0	3,104 10 0	3,639 7 2	7,196 14 0	5,240 8 0	27,571 5 11
b. Firewood and charcoal	31 0 0	4 0 0	.....	.....	.....	15 8 0	50 8 0
c. Bamboos	.....	.....	.....	.....	2 8 0	.....	2 8 0
d. Grazing and fodder grass	.....	.....	.....	.....	.....	.....	.....
e. Other minor produce	156 0 0	12 0 0	.....	.....	836 0 0	752 0 0	1,755 0 0
III.—Confiscated Drift and Waif Wood	.....	53,564 12 0	.....	.....	24 0 0	402 0 0	53,990 12 0
IV.—Revenue from Forests not managed by Government—							
a. Duty on foreign timber and other forest produce	.....	21,959 1 0	.....	.....	.....	.....	21,959 1 0
b. Revenue from shared and private forests	.....	.....	.....	.....	.....	.....	.....
V.—Miscellaneous—							
a. Fines and forfeitures	3,475 15 0	851 12 0	31 0 0	.....	65 8 0	5 0 0	4,429 3 0
b. Refunds	26 10 3	13 14 0	.....	1 4 0	.....	.....	41 12 3
c. Other sources	53 0 0	12,354 0 6	125 11 0	6 0 0	355 0 0	85 0 0	12,978 11 6
Total Receipts ...	74,781 0 0	88,850 3 6	2,43,185 0 0	58,194 10 2	29,801 1 3	6,500 0 0	5,01,311 14 11

APPENDIX G.

Summary of Expenditure of the different Divisions during 1886-87.

Budget heads.	Attaran.	Kado.	East Salween.	West Salween	Tavoy	Mergui.	Total.
A.—CONSERVANCY AND WORKS.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
I.—Timber and other Produce Removed from the Forests by Government Agency—							
a. Timber	26,455 15 2	.....	1,97,668 12 3	34,876 15 2	18,563 2 6	.....	2,77,564 13 1
b. Firewood and charcoal	.....	.....	.....	.....	.....	.....	.....
c. Bamboos	.....	.....	.....	.....	.....	.....	.....
d. Sandal-wood	.....	.....	.....	.....	.....	.....	.....
e. Grass and other minor produce	.....	.....	.....	.....	.....	.....	.....
II.—Timber and other produce removed from the Forests by Consumers or Purchasers	171 0 0	70 0 0	.....	.....	.....	.....	241 0 0
III.—Confiscated Drift and Waif Wood	.....	28,558 2 6	.....	.....	.....	194 0 0	28,752 2 6
IV.—Revenue from Forests not managed by Government—							
a. Duty on foreign timber and other forest produce	59 0 0	7,337 8 11	.....	.....	.....	.....	7,396 8 11
b. Revenue from shared and private forests	.....	.....	.....	.....	.....	.....	.....
V.—Rent of Leased Forests and Payments to Shareholders in Forests managed by Government	.....	.....	.....	.....	.....	.....	.....
VI.—Live stock, Stores, Tools and Plant—							
a. Purchase of cattle	.....	.....	900 0 0	.....	.....	.....	900 0 0
b. Feed and keep of cattle	1,093 4 9	.....	1,049 6 11	839 4 4	.....	.....	2,982 0 0
c. Stores, tools and plant	323 4 6	430 1 0	1,059 15 5	217 3 1	81 10 8	4 13 4	2,117 0 0
VII.—Communications and Buildings—							
a. Roads and bridges	.....	.....	.....	.....	.....	.....	.....
b. Buildings	115 0 0	275 6 0	58 14 0	.....	.....	5 3 0	454 7 0
c. Other works	.....	57 8 0	.....	.....	1 6 0	.....	56 14 0
VIII.—Demarcation, Improvement, and Extension of Forests—							
a. Demarcation	574 12 4	20 15 0	40 0 0	109 12 0	.....	9 5 0	754 12 4
b. Compensation for land and rights	.....	25 0 0	.....	.....	.....	.....	25 0 0
c. Surveys and working plans	19 8 0	.....	18 4 0	9 4 0	.....	.....	47 0 0
d. Plantations	665 11 0	.....	1,439 15 0	2,630 1 4	.....	1,112 10 8	5,877 6 0
e. Protection from fire	627 0 2	.....	2,069 6 5	1,181 3 6	.....	.....	4,077 10 1
f. Other works	.....	.....	.....	.....	109 7 10	48 4 0	157 11 10
IX.—Miscellaneous—							
a. Refunds	.....	30 0 0	.....	10 0 0	.....	5 0 0	45 0 0
b. Law charges	17 0 0	192 12 0	.....	.....	19 4 0	.....	229 0 0
c. Other charges	187 6 0	61 0 0	344 4 0	9 5 0	29 1 3	.....	631 0 3
Total A.—Conservancy and Works	30,528 13 11	37,058 5 5	2,04,648 14 0	39,992 0 5	18,804 0 3	1,379 4 0	3,32,311 6 0
B.—ESTABLISHMENTS.							
I.—Salaries—							
a. Conservators	5,464 5 0	.....	5,267 13 0	7,267 14 0	.....	.....	18,000 0 0
b. Superior officers	8,990 0 0	4,506 7 3	7,532 4 0	.....	6,019 5 5	1,835 8 0	28,883 8 8
c. Subordinate forest and depôt establishments	2,244 6 1	7,283 10 10	2,519 0 1	1,693 1 6	1,322 0 0	1,900 0 0	16,962 2 6
d. Office establishments	4,733 7 6	5,843 0 0	2,452 2 5	2,430 6 0	1,299 0 0	433 0 0	17,190 15 11
e. Deputation and special allowances	.....	.....	.....	.....	.....	.....	.....
II.—Travelling Allowances—							
a. Conservators	524 15 11	.....	511 5 8	516 13 8	.....	.....	1,553 3 3
b. Superior officers	1,548 12 3	727 2 0	653 15 8	.....	297 11 2	670 9 10	3,898 2 11
c. Subordinate forest and depôt establishments	230 0 0	422 8 0	216 0 0	435 2 0	108 4 0	.....	1,411 14 0
d. Office establishments	37 0 0	2 0 0	4 0 0	4 0 0	.....	32 8 0	79 8 0
III.—Contingencies—							
a. Stationery	.....	.....	.....	.....	.....	.....	.....
b. Carriage of tents and records	.....	.....	.....	.....	.....	.....	.....
c. Rents, rates, and taxes	20 1 3	29 10 6	12 3 5	12 4 4	.....	.....	74 3 6
d. Pay of police guards	.....	.....	.....	.....	.....	.....	.....
e. Official postage	45 6 0	75 13 0	30 11 3	31 4 3	20 1 0	5 11 0	208 14 6
f. Sundries	209 14 10	137 3 0	183 1 4	181 14 10	56 11 2	12 13 10	781 11 0
Total B.—Establishments	24,048 4 10	19,027 6 7	19,382 8 10	12,572 12 7	9,123 0 9	4,190 2 8	88,344 4 3
Grand Total of Expenditure	54,577 2 9	56,085 12 0	2,24,031 6 10	52,464 13 0	27,927 1 0	5,569 6 8	4,20,655 10 3

APPENDIX H.

TENASSERIM CIRCLE.

Number of Logs Imported by the Principal Thitgaungs during the year 1886-87.

No.	Name.	Number of logs.
1	Ko Taw A ...	10,094
2	Maung Ôn Gaing	8,091
3	Maung Pan	8,490
4	Ko Kyé ...	6,646
5	Ko Tha Hnyin	6,801
6	Ko Na Auk ...	6,219
7	Ko Lu Galé .	4,942
8	Ko Shwe Lé ...	2,941
9	Aga Syed Abdul Hoosein and Co.	2,715
10	Ko Aung ...	2,669
11	Ma Shwe Bwin	2,169
12	Maung Po O	2,019
13	Kyaungtaga Khine	1,882
14	Maung San Du	1,719
15	Maung Ké	1,699
16	Ko Mo	1,539
17	Ko Pôn	1,479
18	Mr J Williams	1,444
19	Ko Tha Ya	1,377
20	Maung Shwe Po	1,373
21	Maung Ké	1,283
22	Maung Bo Né	1,179
23	Maung Né	1,095
24	Ko Lé	1,049

APPENDIX I.

TENASSERIM CIRCLE.

List showing the Names of the Principal Exporters of Teak from the 1st April 1886 to the 31st March 1887.

Name of firm.	Tons.	Remarks.
Babu Bhugwan Dass	11,349	There were in all 101,475 tons of timber shipped from this port by Government, petty shippers, Chetties, &c.
Babu Bullub Dass	11,287	
Messrs. The Bombay Burma Trading Corporation, Limited	10,098	
Messrs. Aga Syed Abdul Hoosein and Co.	6,915	
Messrs. W. Strang Steel and Co.	6,459	
Messrs T D. Finlay, Bodeker and Co.	5,932	
Messrs Hadjee Mahomed Esuf and Co.	5,096	
Messrs Ferdinand Foucar and Co.	4,610	
Momraj	4,356	
Abdul Majid Brothers and Co.	3,956	
A. B Crisp	3,180	
H J M. H. Osman	2,077	
Limouzin and Co.	1,993	
Gulraj	1,685	
Abdula Cassim	1,531	
Mohr Brothers and Co.	1,506	
Adjim Ariff	1,092	

APPENDIX J.

TENASSERIM CIRCLE.

Statement showing the Sale Prices of Teak Timber at Home during each month of the official year 1886-87.

Month.	Sale price of timber per ton. From	Sale price of timber per ton. To	Freight per ton.	Remarks.
	£. s. d.	£. s. d.	£. s. d.	
April 1886	10 0 0	12 0 0		There has been a gradual decline in value of teak on the Home side. Freights have been fairly steady at about 40s. per ton of 50 cubic feet. Sailing vessels only, no steamers for Europe last year.
May "	...	..		
June "	...	..		
July "	...	..		
August "	9 0 0	11 0 0		
September "	..	...		
October "	...	...	2 0 0	
November "	.	...		
December "	...	...		
January 1887	8 0 0	9 10 0		
February "	...	...		
March "	...	...		

APPENDIX J (1)

TENASSERIM CIRCLE.

Statement showing the Market Rate of Teak Timber in the Indian Market for the year 1886-87.

Month.	BOMBAY.				CALCUTTA.				Remarks.
	Squares.		Scantlings.		Squares.		Scantlings.		
	From	To	From	To	From	To	From	To	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
April 1886 ...	...	...	...	...	...	...	...	..	
May „ ...	...	...	...	...	...	...	...	...	
June „ ...	...	...	...	...	...	...	...	...	
July „ ...	...	...	...	...	..	...	...	...	
August „ ...	65	...	50	...	70	...	70	...	Freight Rs. 10 to Calcutta, Rs. 10-15-0 to Bombay
September „ ...	...	75	...	70	...	90	...	85	
October „ ...	..	...	...	...	...	...	...	...	
November „ ...	...	...	...	...	...	...	...	...	
December „ ...	...	...	...	...	...	...	...	...	
January 1887 ...	...	...	...	...	...	...	...	...	
February „ ...	...	...	...	...	...	...	...	...	
March „ ...	...	...	...	...	...	...	...	...	

NOTE.—There has been very little change in prices during the twelve months.

APPENDIX K.

PEGU CIRCLE.

Selling Rates in the Home Market for 1886-87—Churchill and Sims.

		£	s.	d.		£	s.	d.	
April	1886	12	10	0	to	16	0	0	Per load.
May	„	11	0	0	to	15	0	0	
June	„	11	0	0	to	15	0	0	
July	„	11	0	0	to	15	0	0	
August	„	9	0	0	to	15	0	0	
September	„	9	0	0	to	15	0	0	
October	„	9	0	0	to	15	0	0	
November	„	9	0	0	to	15	0	0	
December	„	9	0	0	to	15	0	0	
January	1887	9	0	0	to	14	0	0	
February	„	9	0	0	to	14	0	0	
March	„	9	0	0	to	14	0	0	

APPENDIX L.

PEGU CIRCLE.

Annual Return of Jungle Woods and Bamboos passed at the Government Timber Depôt and Pazundaung Revenue Station from 1st April 1886 to 31st March 1887.

Description of timber.		Logs.	Total.	Remarks		
					Rs. A. P.	
Logs	In	1,218	3,480	Sold in the market at	10 0 8	per log.
	Pyingado	545		Ditto	8 3 8	
	Thayet	1,445		Ditto	6 3 3	
	Firewood	272		Ditto	1 12 10	
Boats		1	1	Ditto	22 0 0	per boat
Bamboos	Hmyin	938,450	1,398,650	Ditto	169 4 4 to 244 12 8	per 1,000
	Kyathaung	379,100		Ditto	355 11 8 to 463 0 4	
	Tin	64,500		Ditto	256 12 4 to 302 11 4	
	Talagu	16,600		Ditto	400 0 0 to 533 4 4	
	GRAND TOTAL ...	...	1,402,131			

APPENDIX M.

PEGU CIRCLE.

Averages of Sales at the Rangoon Central Depôt, 1886-87.

		Rs.	A.	P	
April	1886	36	6	9	Per ton.
May	„	37	9	2	
June	„	36	2	9	
July	„	35	4	0	
August	„	39	1	3	
September	„	43	11	9	
October	„	46	5	8	
November	„	43	1	6	
December	„	39	12	6	
January	1887	31	9	6	
February	„	27	12	0	
March	„	37	11	0	

APPENDIX N.

Division.	Name of reserve	Year of formation.	Planted with	Area in acres.	Cost.	Cost per acre.	Remarks.
					Rs. A. P.	Rs. A. P.	
PROME ..	Chaungzauk	1879 ...	Teak ..	67	65 0 0	0 15 6	
		1880 ..	do. ...	132	85 12 0	0 10 5	
		1881 ...	do. ...	102	107 0 0	1 0 9	
		1882 ...	do. ...	98	85 8 0	0 14 0	
		1882 ...	Cutch ...	38	33 0 0	0 13 11	
		1883 ...	Teak and cutch...	243	120 0 0	0 7 11	
		1884 ...	ditto ...	166	357 12 0	2 2 6	Twice weeded
		1884 ..	Teak ...	41	88 0 0	2 2 4	
		1885 ...	Teak and cutch...	85	497 8 0	5 13 8	Twice weeded
			Total ...	972	1,439 8 0	1 7 8	
THARRAWADDY	Bwet	1875 & prior	Teak ...	37	27 8 0	0 11 11	
	Gwedauksan	do. ..	do. ...	11	5 4 0	0 7 8	
	Bawbin	do. ...	do. ...	51	93 0 0	1 13 2	
	Minhla-Nyaung... ...	do. ...	do ...	119	117 8 0	0 15 10	
	Minhla-Môkka	do. ...	do. ...	150	78 11 6	0 8 5	
	Thônzè	do. ...	do. ...	19	20 0 0	1 0 10	
	Bwet	1877 ...	do. ...	44	97 4 0	2 3 4	
	Nyanlè	1879 ...	do. ...	8	12 0 0	1 8 0	
	Bawbin	1879 ...	do. ...	18	22 0 0	1 3 7	
	Kangyi	1879 ...	no. ...	66	25 4 0	0 6 1	
	Kôn-Bilin	1879 ...	do. ...	41	12 8 0	0 4 11	
	Bwet	1880 ...	do. ...	19	20 4 0	1 1 1	
	Nyanlè	1882 ...	do. ...	20	20 0 0	1 0 0	
	Gwedauksan	1882 ...	do. ...	11	3 12 0	0 5 5	
	Kangyi	1882 ...	do. ...	3	2 4 0	0 12 0	
	Minhla-Môkka ...	1882 ...	do. ...	123	151 4 6	1 3 8	
	Nyanlè	1884 ...	do. ...	117	234 1 0	2 4 1	
	Bawbin	1884 ...	do. ...	56	126 0 6	2 4 0	
	Kangyi	1884 ...	do. ...	24	54 10 6	2 4 5	
	Minhla-Nyaung ...	1884 ...	do. ...	40	100 11 3	2 8 3	
	Minhla-Môkka ...	1884 ...	do. ...	138	345 10 3	2 8 1	
	Kôn-Bilin	1884 ...	do. ...	65	96 7 0	2 7 5	
	Thônzè	1884 ...	do. ...		63 12 0		
	Môkka-Bilin	1884 ...	do. ...	311	726 9 0	2 5 5	
	Gwedaukkwin	1884 ...	Teak and cutch...	237	592 10 6	2 8 0	
	Kyaukkyidaung ...	1884 ...	ditto ...	93	232 12 3	2 8 1	
	Nyanlè	1885 ...	Teak ...	106	211 10 0	1 15 11	
	Bawbin	1885 ...	do. ...	8	19 5 0	2 6 7	
	Kangyi	1885 ...	do. ...	21	51 10 9	2 7 4	
	Minhla-Nyaung ...	1885 ...	do. ...	79	197 13 3	2 8 1	
	Minhla-Môkka	1885 ...	do. ...	201	503 14 0	2 8 1	
	Môkka-Bilin	1885 ...	do. ...	489	1,212 12 0	2 7 8	
	Myodwin	1885 ...	do. ...	2	4 6 6	2 3 3	
	Thônzè	1885 ..	do. ...	88	104 1 0	2 7 6	
	Kôn-Bilin	1885 ...	do. ...		113 5 0		
	Gwedaukkwin	1885 ...	Teak and cutch...	66	131 0 0	1 15 9	
	Kyaukkyidaung ...	1885 ...	ditto ...	109	218 0 0	2 0 0	
			Total ...	2,990	6,079 9 9	2 0 6	
RANGOON ...	South Zamayi ...	1882 ...	Teak ...	30	232 2 8	0 15 0	
		1883 ...	do. ..	57			
		1884 ...	do. ...	73			
		1885 ...	do. ...	74			
			Total ...	234	232 2 8	0 15 0	
TOUNGOO ...	East Swa	1883 ...	Teak ...	19	4 0 0	0 3 4	
	Kabaung	1883 ...	do. ...	4	3 0 0	0 12 0	
	Bôndaung	1883 ...	do. ...	17	12 12 0	0 12 0	
	Yènè	1883 ...	do. ...	18	14 8 0	0 7 0	
	Yenè	1884 ...	do. ...	15			
	East Swa	1884 ...	do. ...	29	14 0 0	0 7 9	
	Kabaung	1884 ...	do. ...	3	2 4 0	0 12 0	
	Bondaung	1884 ...	do. ...	7	5 4 0	0 12 0	
	East Swa	1885 ...	do. ...	43	31 0 0	0 11 6	
	Kabaung	1885 ...	do. ...	99	74 4 0	0 12 0	
	Yènè	1885 ...	do ...	21	22 0 0	1 0 9	
	Pyunchaung	1885 ...	do. ...	30	9 0 0	0 4 10	
			Total ...	305	192 0 0	0 10 1	

APPENDIX O.

Division.	How extracted.	Teak.	Other reserved trees	Unreserved trees.		Bamboos.	Cutch.	Wood-oil and resin.	Charcoal.	Shaw fibre.	Canes.	Cheroot-leaves	Thatch.	Honey.
				Logs.	Posts and poles.									
		Tons.	Tons.	Tons.	Tons.	No.	100 viss.	Viss.	100 baskets.	100 viss.	No.	Mills.	Bundles.	Viss.
Prome	By Government	2,235	...	...	...	...	...	...	...	...	...	...	...	...
	By purchasers	189	...	4,638	1,162	7,850	19,600	75	208	...	...	...	...	...
	Under free grant	80	...	...	...	...	...	...	...	...	...	...	...	...
Tharrawaddy	By Government	14,427	1	...	...	...	...	...	...	...	...	...	...	...
	By purchasers	25	3	2,562	134	502,350	5,880	76	112	43	...	340	2,310	75
	Under free grant	48	...	...	...	...	...	...	...	...	...	...	...	...
Rangoon	By Government	5,278	63	...	...	...	...	...	...	...	...	...	...	...
	By purchasers	4	101	10,100	63	751,650	40	194	...	156	...	...	1,820	...
	Under free grant	12	32	...	...	...	...	...	...		...	...	...	...
Toungoo	By Government	5,696	13	..	...	...	...	...	...	...	..	...	...	...
	By purchasers	44	1,004	4,201	305	20,850	45	1,140	35	71	360	...	...	...
	Under free grant	16	20	...	...	...	...	...	...	...	..	...	...	...
Shwegyin	By Government	690	211	...	...	...	...	...	...	...	...	...	...	...
	By purchasers	103	2,517	3,072	10	...	...	235	60	...	...	...	...	...
	Under free grant	3	27	...	...	...	...	...	...	...	...	...	...	...
Western	By Government	128	324	1,695	...	...	...	...	...	...	..	...	...	...
	By purchasers	27	28	4,644	1,706	...	280	6	95	...	...	..	...	...
	Under free grant	39	60	...	...	...	...	...	...	...	...	...	...	...
Agency	By Government	...	...	...	...	...	...	...	...	...	...	...	...	...
	By purchasers	...	200	90	170	...	...	...	...	...	..	...	...	...
	Under free grant	...	...	...	...	...	..	...	...	...	...	...	.	...
	Total	29,043	4,624	30,922	3,550	1,282,700	25,855	1,726	530	270	360	340	4,130	75

APPENDIX P.

Division.	Balance on 1st April 1886.				Arrivals during year.				Sales and disposals during year.				Balance on 31st March 1887.			
	Logs.				*Logs and Scantlings.*				*Logs and Scantlings.*				*Logs.*			
	Teak.	Teak drift.	Other woods.	Other woods, drift.	Teak.	Teak drift.	Other woods.	Other woods, drift.	Teak.	Teak drift.	Other woods.	Other woods, drift.	Teak.	Teak drift.	Other woods.	Other woods, drift.
Prome	427	...	...	...	2,298	...	...	...	749	...	...	...	1,966	...	...	...
Tharrawaddy	18,069	...	...	...	14,121	...	...	...	18,857	...	...	...	13,323	...	...	...
Rangoon	6,269	3	...	...	5,123	663	170	7	5,608	660	170	4	5,784	6	...	3
Toungoo	49	...	...	...	7,291	...	15	...	3,542	...	...	...	3,798	...	15	...
Shwegyin	18	...	99	...	...	...	141	...	18	...	240	...	...	...	...	...
Agency	54*	43	...	1	...	642	1,269	19	...	616	1,262	15	54*	69	...	5
Total ...	24,922 54*	46	99	1	28,823	1,305	1,598	26	28,774	1,276	1,672	19	24,871 54*	75	15	8

* Sleepers.